

SERVICE MANUAL

BE-5 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-21X1A	RM-836	Italian	SCC-K31B-A	KV-21X1K	RM-836	OIRT	SCC-K35A-A
KV-21X1B	RM-836	French	SCC-K36A-A	KV-21X1L	RM-836	Irish	SCC-K34A-A
KV-21X1D	RM-836	AEP	SCC-K32D-A	KV-21X1R	RM-836	OIRT	SCC-K35B-A
KV-21X1E	RM-836	Spanish	SCC-K30B-A	KV-21X1U	RM-836	UK	SCC-K33A-A



TRINITRON® COLOR TV
SONY®

ITEM	MODEL	Television System	Channel Coverage	Colour System
Italian	B/G/H	VHF: E2-E12 UHF: E21-E69 Hyper: S1-S41		PAL NTSC3.58/4.43 (Only Video in)
AEP	B/G/H, D/K	B/G/H VHF: E2-E12 UHF: E21-E69 Hyper: S1-S41 D/K VHF: R1-R12 UHF: R21-R69		PAL, SECAM NTSC3.58/4.43 (Only Video in)
Spanish	B/G/H, D/K	B/G/H VHF: E2-E12 UHF: E21-E69 Hyper: S1-S41 D/K VHF: R1-R20 UHF: R21-R69		PAL, SECAM NTSC3.58/4.43 (Only Video in)
OIRT	B/G, D/K	B/G VHF: E2-E12 UHF: E21-E69 Hyper: S1-S41 D/K R1-R12, R21-R69		PAL, SECAM NTSC3.58/4.43 (Only Video in)
Irish UK	I	Irish (KV-21X1L) VHF: A-C, D-J UHF: B21-B69 Cable Channels: S21-S41 Hyper: S1-S41 UK (KV-21X1U) UHF: B21-B69		PAL NTSC3.58/4.43 (Only Video in)

MODEL	21X1A	21X1B	21X1D	21X1E	21X1K	21X1R	21X1L 21X1U
Power Consumption			75W		75W	75W	100W

SPECIFICATIONS

Picture Tube Hi-Black Trinitron
Approx. 55 cm (21 inches)
(Approx. 51 cm picture measured
diagonally) 100° deflection

Rear/Front Terminals

[REAR]

- 21-pin Euro connector (CENELEC standard)
- Including audio/video input, RGB input

[FRONT]

- 2 Video input - phono jack
- Audio inputs - phono jacks
- S Video input - 4 pin DIN
- Headphone jack - stereo minijack

[RM-836]

Remote control system Infrared control
Power requirements 3V dc (2 batteries) R6 (size AA)
Dimensions Approx. 210x45x24 mm (w/h/d)
Weight Approx. 90g
(Not including battery)

Sound output 14Wx2 (music power)
7Wx2 (RMS)

Dimensions 517x444x485 mm approx.

Weight Approx. 26.5 kg


Supplied accessories RM-836 Remote Commander (1)
IEC designated batteries (2)

Other features TELETEXT, Fasttext
TOP text (KV-21X1D/21X1K/)
NICAM (KV-21X1L/21X1U/)

Design and specifications are subject to change without notice.

Model name Item	KV-21X1A	KV-21X1B	KV-21X1D	KV-21X1E	KV-21X1K	KV-21X1R	KV-21X1L KV-21X1U
PIP	OFF	OFF	OFF	OFF	OFF	OFF	OFF
MPIP	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Rotation Coil	OFF	OFF	OFF	OFF	OFF	OFF	OFF
VM Set (Velocity Modulation)	ON	ON	ON	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON	ON	ON	ON
Scart 2	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Front in (3)	ON	ON	ON	ON	ON	ON	ON
AKB in 16:9 mode	ON	ON	ON	ON	ON	ON	ON
TXT	ON	ON	ON	ON	ON	ON	ON
FLOF	ON	ON	ON	ON	ON	ON	ON
TOP	ON	ON	ON	ON	ON	ON	ON
Norm B/G/H	ON	ON	ON	ON	ON	ON	OFF
Norm I	OFF	ON	OFF	OFF	OFF	OFF	ON
Norm D/K	OFF	OFF	ON	ON	ON	ON	OFF
Norm L	OFF	ON	OFF	OFF	OFF	OFF	OFF
Language Preset	Italian	French	German	Spanish	OIRT	OIRT	English

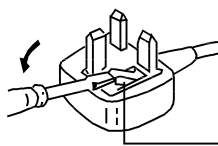
WARNING (KV-21X1L and 21X1U only)

The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 5 AMP capacity. Should the fuse need to be replaced, use a 5 AMP FUSE approved by ASTA to BS 1362, ie one that carries the  mark.

IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR YOUR SOCKET OUTLETS IN YOUR HOME. IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED.

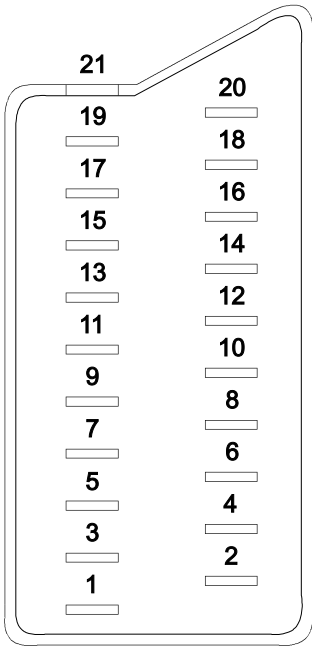
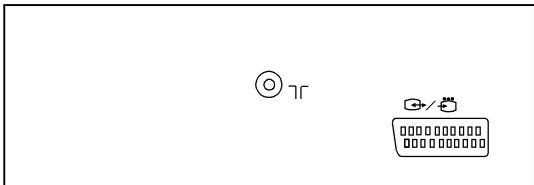
THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET OUTLET.

When an alternative type of plug is used it should be fitted with a 5 AMP FUSE, otherwise the circuit should be protected by a 5 AMP FUSE at the distribution board.



How to replace the fuse.
Open the fuse compartment with the screwdriver blade and replace the fuse.

21 pin connector (1)



Pin No.	1	2	4	Signal	Signal Level
1				Audio output B (Right)	Standard level : 0.5V rms Output impedance : Less than 1k ohms*
2				Audio input B (Right)	Standard level : 0.5V rms Output impedance : More than 10k ohms*
3				Audio output A (Left)	Standard level : 0.5V rms Output impedance : Less than 1k ohm*
4				Ground (Audio)	
5				Ground (Blue)	
6				Audio input A (Left)	Standard level : 0.5V rms Output impedance : Less than 10k ohm*
7				Blue input	0.7 ± 3dB, 75 ohms, positive
8				Function select (AV control)	High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10k ohms Input capacitance : Less than 2nF
9				Ground (Green)	
10				Open	
11				Green	
12				Open	
13				Ground (Red)	
14				Ground (Blanking)	
15				Red input	0.7 ± 3dB, 75 ohms, positive
				(S signal) chroma input	0.7 ± 3dB, 75 ohms, positive
16				Blanking input (Ys signal)	High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75 ohms
17				Ground (Video output)	
18				Ground (Video input)	
19				Video output	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
20				Video input	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
				Video input Y (S signal)	1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB)
21				Common ground (plug, shield)	

○ Connected ● Not Connected (Open) * at 20Hz - 20kHz

Pin No.	Signal	Signal Level
1	Ground	
2	Ground	
3	Y (S signal) Input	1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB
4	C (S signal) Input	0.3V ± 3dB 75ohm, positive Sync.

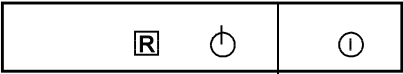
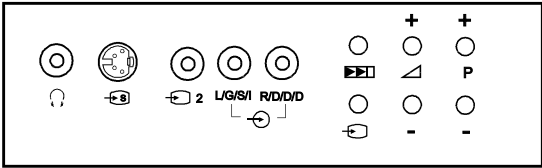


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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND, IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.


ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

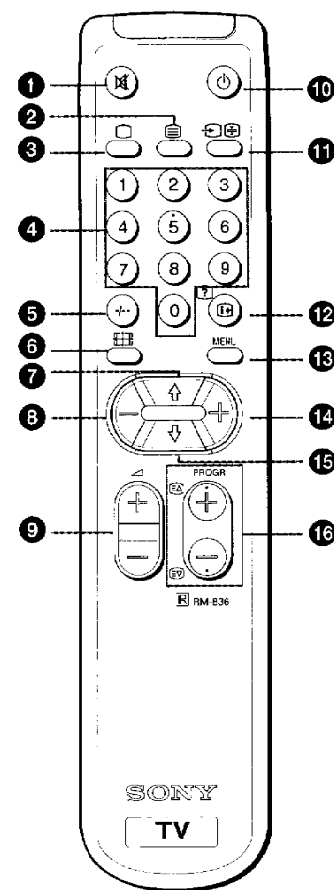
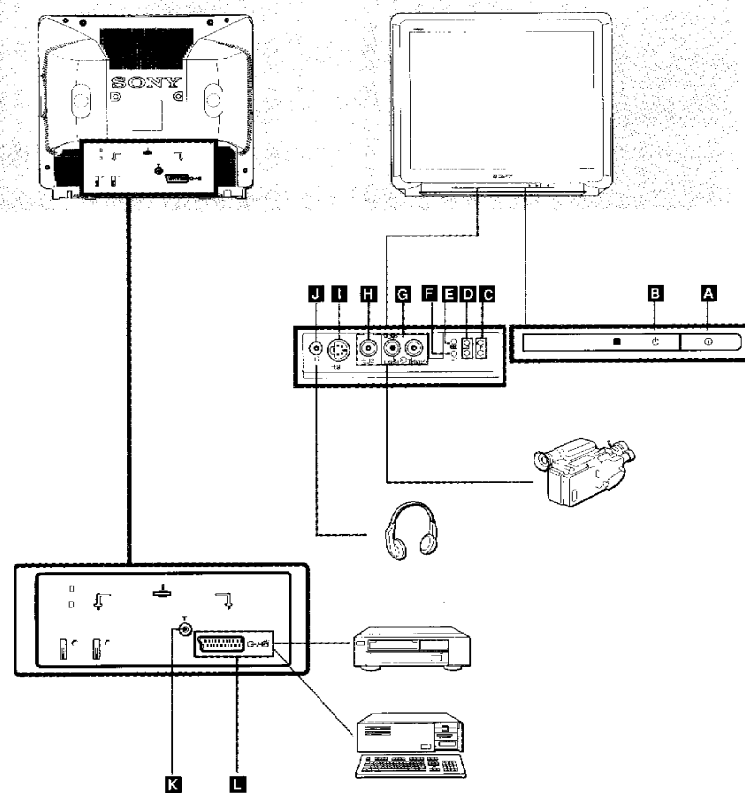
AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in the manual.



Getting Started

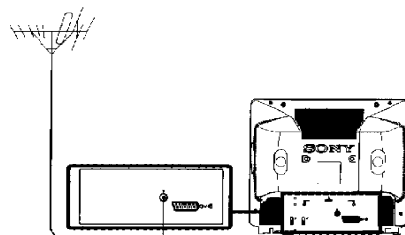
Please open the flaps at the front and at the back of the instruction Manual for illustrations of the TV set and the Remote Commander. Letters in boxes refer to the buttons on the TV set, numbers in circles to the buttons on the Remote Commander.

Step 1

Connecting the Aerial

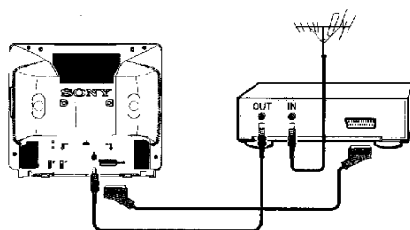
(If you connect a VCR, skip to step 2).

Connect an external aerial to the socket T **K**.



Step 2

Connecting a VCR



We recommend that you tune in the VCR signal to programme number "0". For details see "Presetting Channels Manually" on page 13.

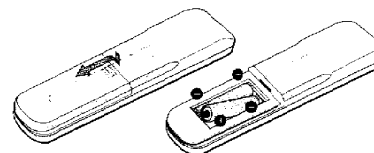
Step 3

Connecting the Mains Plug

Connect the mains plug of the TV set to the electrical outlet (220-240 V AC, 50 Hz).

Step 4














Inserting the Batteries into the Remote Commander



Always remember to dispose of used batteries in an environmental friendly way.

Step 5

Remote Commander Overview



Refer to Symbol	Effect	Refer to Page
❶ 	Sound on/off button	10
❷ 	Teletext on button	17
❸ 	TV button / TV power on Teletext off button	10 17
❹ 1...9,0	Number buttons	10
❺ -/-	Double digit entering button	10
❻ 	Screen Format	10
❼, Ⓢ, Ⓣ, Ⓦ	MENU: Cursor buttons to operate Menu functions	11
	TELETEXT: Fasttext / TOP Text buttons	17
❶ 	Volume control	10
Ⓜ 	Standby button	10
Ⓜ 	Input mode button	18
	Teletext: Freezing the subpage	17
Ⓜ 	On screen display button	10
	Teletext: Reveal button	17
Ⓜ MENU	Menu on/off button	11
Ⓜ PROGR +/-  	Programme buttons Teletext: Page up/down buttons	10 17

Step 6

Presetting Channels Automatically

TV searches for all available channels.
If manual tuning is preferred see Menu
option - Presetting Channels Manually.





















- 1 Depress power switch  A on TV set.
- 2 Press and hold  E on TV set for 2 seconds.
Auto tuning starts and screen shows.

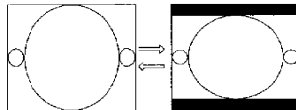
- When Auto tuning stops, the programme position 1 is displayed.
- Programme names are automatically taken from Teletext if available. With that function, you can easily identify which channel you are watching.

TV Operation

TV Operation

This section explains functions used whilst watching TV. Most operations are carried out using the Remote Commander (numbers in circles). All basic functions are also available on the TV set (letters in boxes).

To	Press
Switch on	•  A on TV
Switch off temporarily	•  <i>TV is now in standby mode,  indicator B on TV lights.</i>
Switch on again	•  3 , PROGR +/-  16 C or any number button  4
Switch off completely	•  A on TV <i>To save energy we recommend switching off completely when TV is not in use.</i>
Select programmes	• PROGR +/-  16 C or number buttons  4 <i>For double digit numbers press -/--  5 then the number e.g. For 23, press -/--  5 then 2 and 3.</i>
Display the programme number	•  16 <i>Press again to make programme number disappear.</i>
Adjust the volume	•  +/-  9 D
Mute the sound	•  1 <i>Press again to restore sound.</i>
View video input	•   11 F <i>Press again to return to TV programme.</i>
View programmes in 16:9 mode	•  6 <i>Press again to return to 4:3 mode.</i>



MENU Operation


Use the following buttons on Remote Commander to control Menu screen.

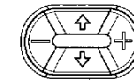
- 1 Press MENU  to switch the Menu Screen on/off.





- 2 Use the coloured buttons as follows:

Green  **7**
Scroll up


Red -  **8**
decrease/select








Yellow +  **14**
increase/confirm(OK)

Blue  **15**
Scroll down



Adjusting the Picture and Sound

- 1 Press MENU .








- 2 Press green  **7** or blue  **15** to select  (Picture) or  (Sound) and press yellow  **14** (OK) to confirm.







- 3 Press green  **7** or blue  **15** to select the item you wish to change.

PICTURE CONTROL

Symbol	Item	-	Effect	+
	• Picture	Less	More	
	• Colour	Less	More	
	• Brightness	Darker	Brighter	
	• Sharpness	Softer	Sharper	
	• Hue control (only for NTSC video signals)	Reddish	Greenish	



SOUND CONTROL

Symbol	Item	-	Effect	+
	• MONO/STEREO	A: Channel 1 Stereo Mono	B: Channel 2	
	• Treble	Less	More	
	• Bass	Less	More	
	• Balance	More left	More Right	
	• Headphones:			
	Volume	Less	More	
	MONO/STEREO	A: Channel 1 Stereo/Mono	B: Channel 2	



4 Press red **8** or yellow **14** to change levels.

5 Press MENU **13** to return to normal TV screen.

- To reset to factory preset picture levels, press green **7** or blue **15** to select **↔** and press yellow (OK) **14**.
- To return to the Main menu, select **⇒** and press yellow.

Using the Sleep Timer

The TV may be set to switch to the standby mode automatically after a length of time chosen by you. You may set the time in 30 minutes steps up to 4 hours.



1 Press MENU **13**.

2 Press green **7** or blue **15** to select **⏻**

3 Press red **8** or yellow **14** to set time delay.
0.00 (OFF) 0.30 1.00 1.30 4.00

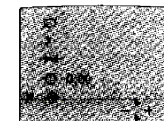
4 Press MENU **13** to return to normal TV screen.
When watching TV, press **⏻** **12** to display time remaining.

Presetting Channels Manually

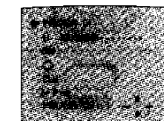
Up to 100 programme positions are available for presetting channels.

1 Press MENU **13**.

2 Press green **7** or blue **15** to select **⇒** and press yellow (OK) **14**.



3 Select programme number using PROGR +/- **16** **C** or the number buttons **4**.



4 Press green **7** or blue **15** to select TV system (BG or DK) if necessary and press red **8** or yellow **14** to change TV system.

5 Press green **7** or blue **15** to select tuning bar (|||||...) and press red **8** or yellow **14** to start channel search. When a channel is found the tuning bar stops moving and you see the picture.

6 If you want to store, press green **7** or blue **15** to select **◇** and press yellow (OK) **14**. If you don't want to store, press red **8** or yellow **14** to continue search.

7 Repeat steps 3 to 6 for all other channels.

8 Press MENU **13** to return to normal TV screen.

Skipping Programme Positions

You can skip unused programme positions when selecting channels with the PROGR +/- **16** **17** buttons. You can still select them, however, using the number buttons **1**.

1 Press MENU **15**.

2 Press green **7** or blue **15** to select \Rightarrow and press yellow **10**.



3 Select programme number you want to skip using PROGR +/- **16** **17** or number buttons **1**.



4 Press green **7** or blue **15** to select Coo and press yellow (OK) **10**.

5 Press green **7** or blue **15** to select \diamond and press yellow (OK) **10** to store.

6 Repeat steps 3 to 5 for other unused programme positions.

7 Press MENU **15** to return to normal TV screen.

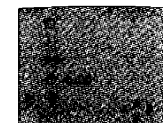
Fine-Tuning Channels

You can fine tune a stored channel.

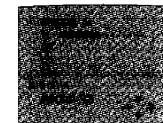
1 Select the channel you wish to fine tune.

2 Press MENU **15**.

3 Press green **7** or blue **15** button to select \Rightarrow and press yellow (OK) **10**.



4 Press green **7** or blue **15** to select $\leftarrow F \rightarrow$ and use red **8** or yellow **14** to adjust tuning.



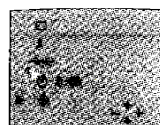
5 Press green **7** or blue **15** to select \diamond and press yellow (OK) **10** to store.

6 Press MENU **15** to return to normal TV screen.

Exchanging Programme Positions

After tuning you may wish to rearrange the programme positions.

- 1 Press MENU **9**.
- 2 Press green **7** or blue **15** button to select ⇄ and press yellow (OK) **4**.
- 3 Press green **7** or blue **15** to select PROGR **11** and press yellow (OK) **4**.
- 4 Press red **8** or yellow **14** to select the first programme position.
- 5 Press the blue **15** button.
- 6 Press red **8** or yellow **14** to select the second programme position.
- 7 Press blue **15** to select **11** and press yellow (OK) **4** to exchange.
- 8 Repeat steps 4 to 7 for other programme positions.
- 9 Press MENU **9** to return to normal TV screen.



Teletext Operation

Viewing Teletext

Teletext is an information service broadcast by TV stations.

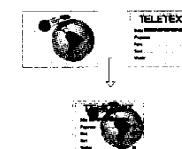
- 1 Select the channel which carries the teletext service you wish to receive.
- 2 Press **3** **2** to switch on teletext.
- 3 Input three digits for the page number using the programme number buttons **4** or **2**/**3** **15** (next or previous page).
- 4 Press **0** **9** to switch off teletext.

Teletext errors may occur if the broadcasting signals are weak.

Using Other Teletext Functions

Superimposing teletext on the TV

Press **3** **2** once in teletext mode or twice in TV mode to superimpose teletext on the TV screen.
Press **3** **2** again to cancel superimposing.



Freezing a teletext subpage

Press **5** **11** (HOLD) to freeze the subpage. Freezing the page prevents the information that is displayed from being updated.
Press **5** **11** to cancel HOLD and allow update to continue.

Revealing concealed information (eg: answers to a quiz).

Press **7** **15** to reveal information.
Press again to conceal the information.






Using colour buttons to access pages (Fastext)



When the colour coded menu appears at the bottom of a page, press the colour button (green, red, yellow or blue) **7** **8** **14** **15** to access the corresponding page.

Optional Connections






Connecting Optional Equipment

There is a wide range of optional equipment you can connect to your TV. Refer to the illustrations on the back flap page of this manual.

Symbol	Acceptable input signals
  	• Normal audio/video and S video through the phono jacks.
 	• Normal audio/video and RGB through Euro AV connector.

Note: Make sure not to switch on the equipments connected to the front connectors  and  at the same time.

Selecting the Input

Press    repeatedly to select the desired video source.
Press   to return to normal TV operation.


















Connecting Headphones

Plug in the headphones to the  socket on the front of the TV set.

Additional Information

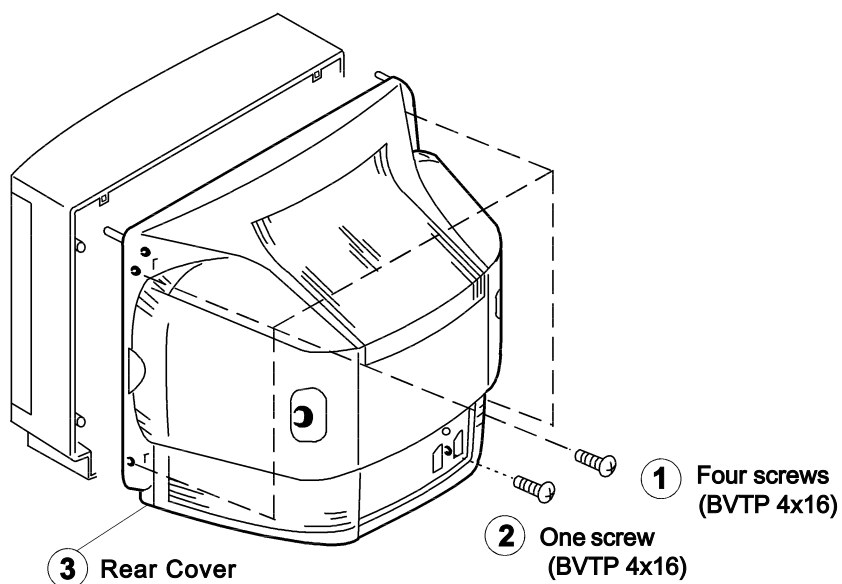
Troubleshooting

Here are some simple solutions to the problems which affect the picture and sound.

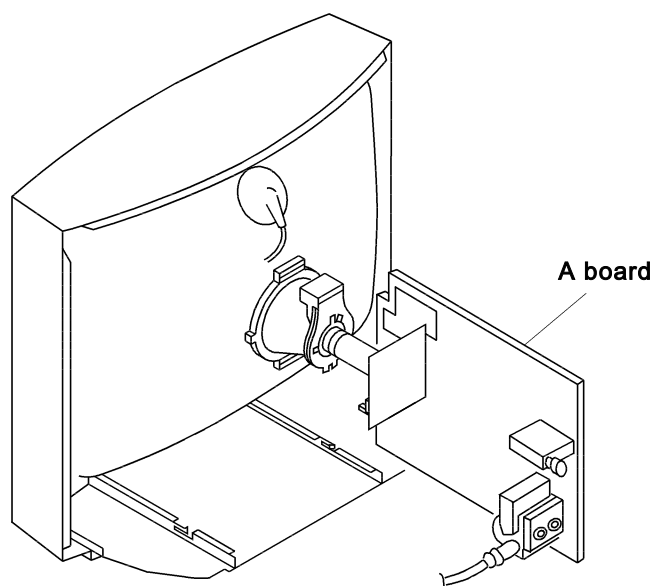
Problem	Solution
No picture, screen is dark, no sound	<ul style="list-style-type: none"> • Plug the TV in. • Press  on the TV. • If  is on press  or the programme number  on the remote commander. • Check the aerial connection. • Check that the video source is on. • Turn the TV off for 3 or 4 seconds and then turn it on again using .
Poor or no picture (screen is dark, sound is good)	<ul style="list-style-type: none"> • Press MENU  and adjust brightness picture and colour balance level.
Picture moved to the left when watching a RGB video source	<ul style="list-style-type: none"> • Press   repeatedly to select .
Good picture, no sound	<ul style="list-style-type: none"> • Adjust the volume  +/-  . • Disconnect any headphones. • If  is displayed on the screen, press .
No colour on colour programmes	<ul style="list-style-type: none"> • Press MENU  and adjust colour balance. • Press MENU  and reset to factory settings.
Distorted picture when changing programmes or selecting teletext	<ul style="list-style-type: none"> • Turn off the equipment connected to the 21-pin connector .
Remote commander does not function	<ul style="list-style-type: none"> • Replace the batteries.
<ul style="list-style-type: none"> • If you continue to have these problems, have your TV serviced by qualified personnel. • NEVER open the casing yourself. 	

SECTION 2 DISASSEMBLY

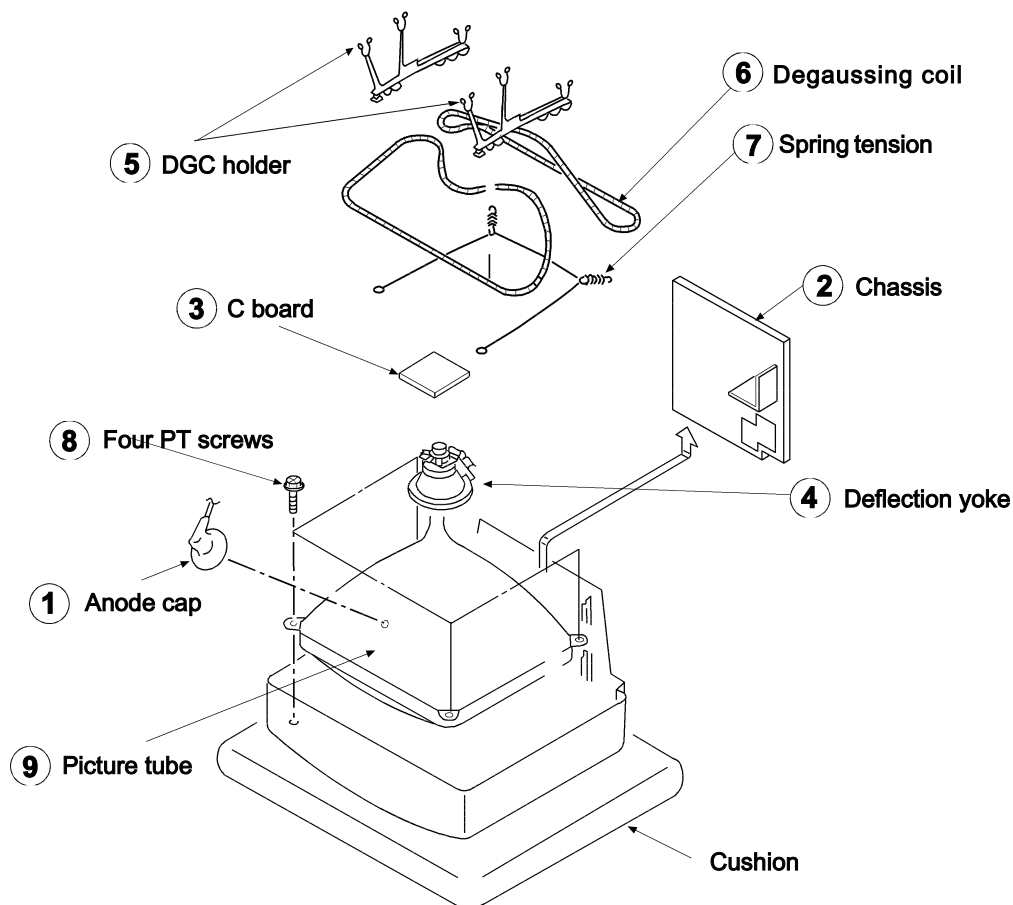
2-1. REAR COVER REMOVAL



2-2. SERVICE POSITION



2-3. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

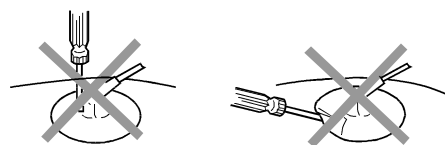
Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

* REMOVING PROCEDURES.

-
- 1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)
 - 2 Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)
 - 3 When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

• HOW TO HANDLE AN ANODE-CAP

- 1 Don't damage the surface of anode-cap with sharp shaped material !
- 2 Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.
- 3 Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with the rated power supply voltage, unless otherwise noted.

The Contrast and Brightness controls should be set as follows unless otherwise noted:

CONTRAST control 80%
(or Normal by commander)

BRIGHTNESS control 50%

Perform the adjustments in the following order:

1. Beam Landing
2. Convergence
3. Screen (G2), Drive, White Balance, Sub Colour and Sub Brightness.
4. Focus

Note: Test Equipment Required.

1. Colour bar/Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter
5. Oscilloscope

Preparation:

- In order to reduce the influence of external magnetic forces on the picture tube, face the TV set in an easterly or westerly direction.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

3-1. BEAM LANDING

Demagnetize with a degausser.

1. Input an all white raster signal from the pattern generator.
CONTRAST } normal
BRIGHTNESS }
2. Switch the raster signal of the pattern generator to Red.
3. Move the deflection yoke backward, and adjust with the purity control so that Red is at the centre and the Blue and Green are evenly spaced at the sides. see (Fig. 3-1 - 3-3)
4. Move the deflection yoke forward, and adjust so that the entire screen becomes Red. (Fig. 3-1)
5. Switch the raster signal to Blue and then Green to confirm the condition.
6. When the position of the deflection yoke has been determined, tighten it with the deflection yoke mounting screw.
7. When the landing at the corners is not correct, adjust by using disk magnets. (Fig. 3-4)

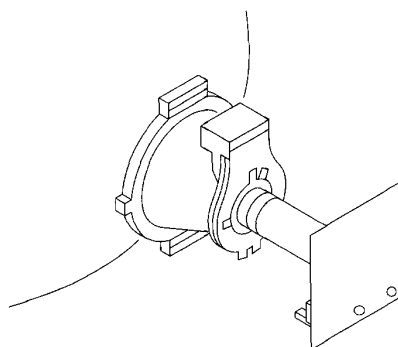


Fig. 3-1

Fig. 3-2

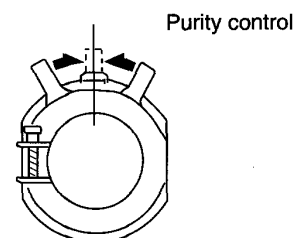


Fig. 3-3

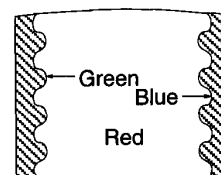
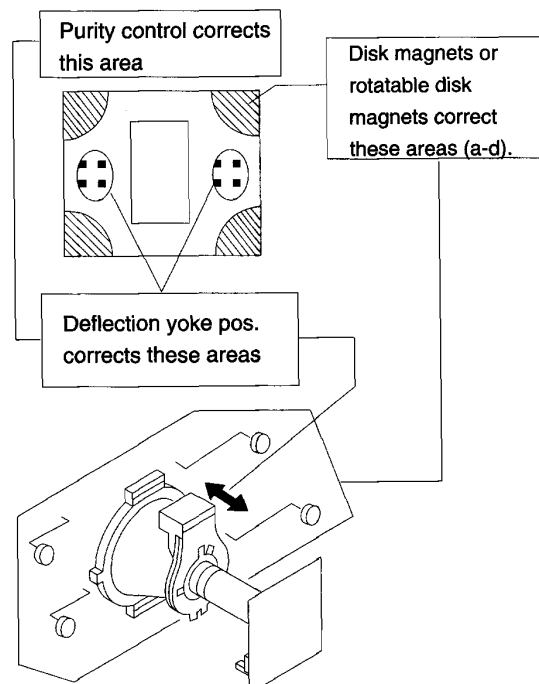


Fig. 3-4

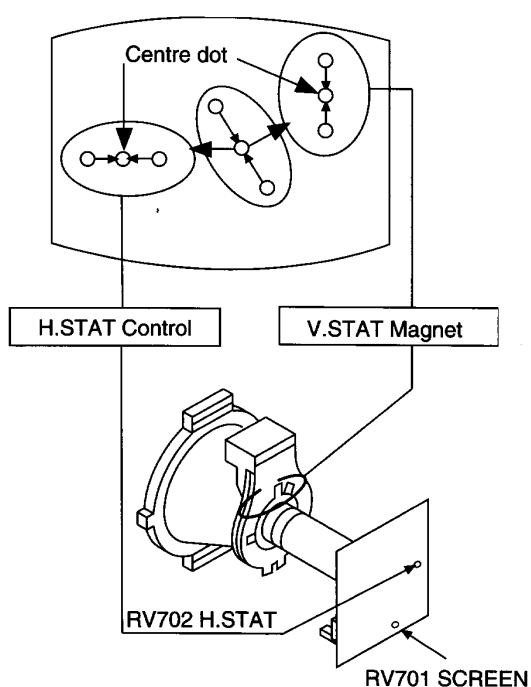


3-2. CONVERGENCE

Preparation:

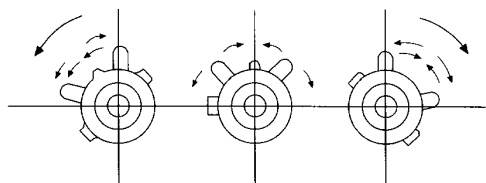
- Before starting, perform FOCUS, H.SIZE, and V.SIZE adjustments.
- Set the BRIGHTNESS control to minimum.
- Input a dot pattern from the pattern generator.

(1) Horizontal and Vertical Static Convergence

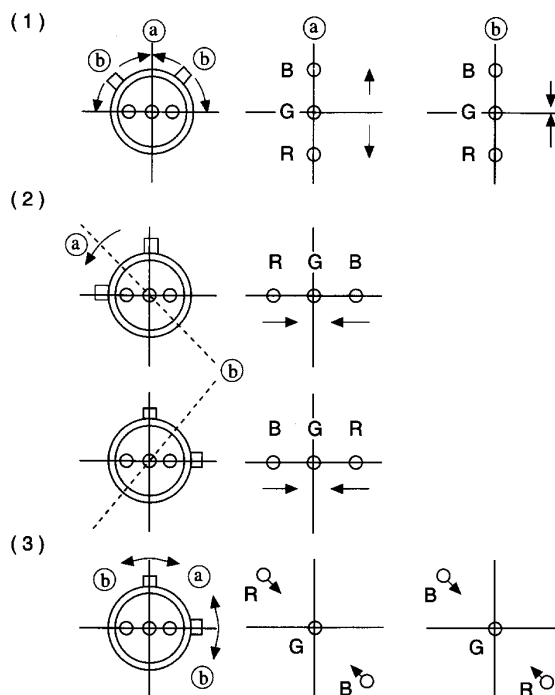


1. Adjust the H.STAT control to converge the Red, Green and Blue dots at the centre of the screen. (Horizontal movement)
2. Adjust the V.STAT magnet to converge the Red, Green and Blue dots at the centre of the screen. (Vertical movement)

- If the horizontal dots cannot coincide with variable range of the H.STAT convergence, adjust together with the V.STAT convergence while tracking.
(Adjust the convergence by tilting the V.STAT convergence or by opening or closing the V.STAT convergence.)



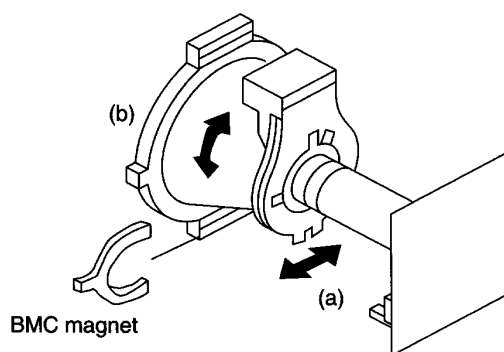
3. When the V.STAT magnet is moved in the direction of the (a) and (b) arrows, the Red, Green and Blue dots move as shown below.



If the Red and Blue dots do not converge with the Green dots, perform the following steps.

1. Move the BMC magnet (a) to correct for insufficient H.static convergence.
2. Rotate the BMC magnet (b) to correct for insufficient V.static convergence.

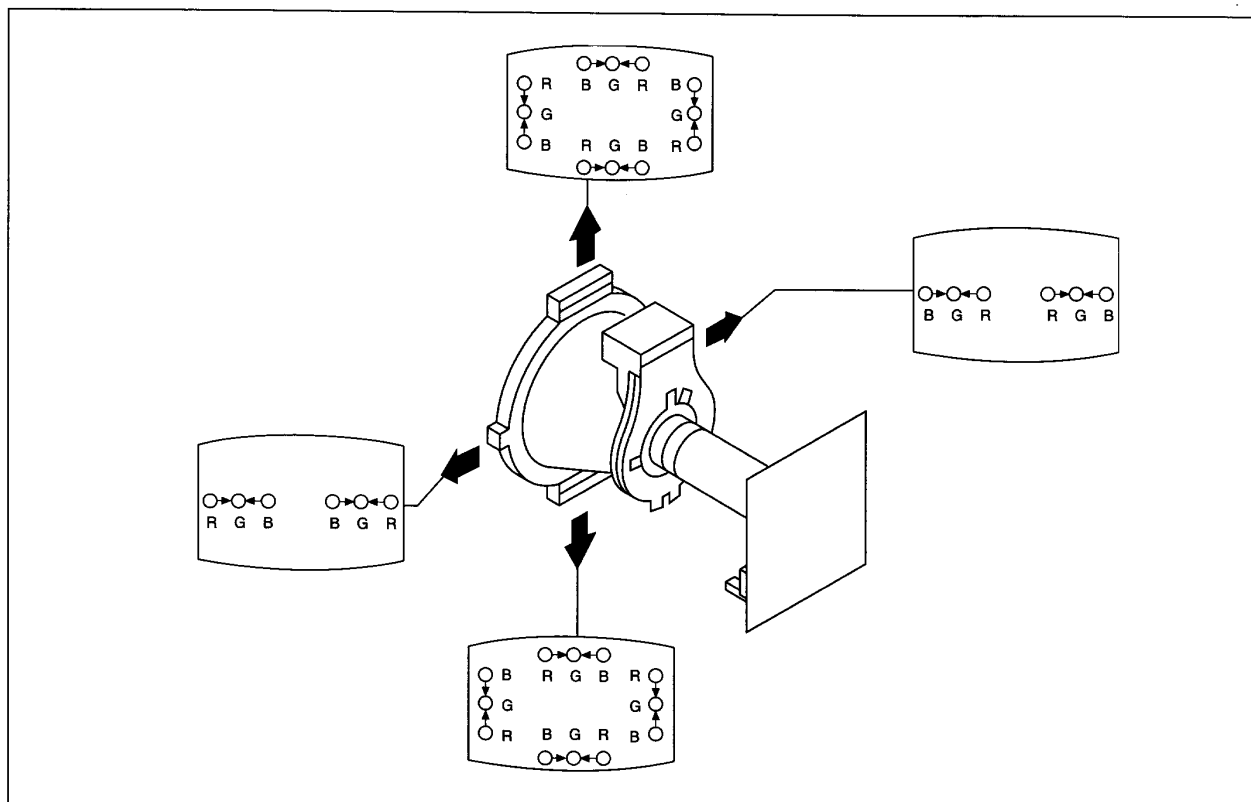
In either case, repeat the Beam Landing Adjustment.



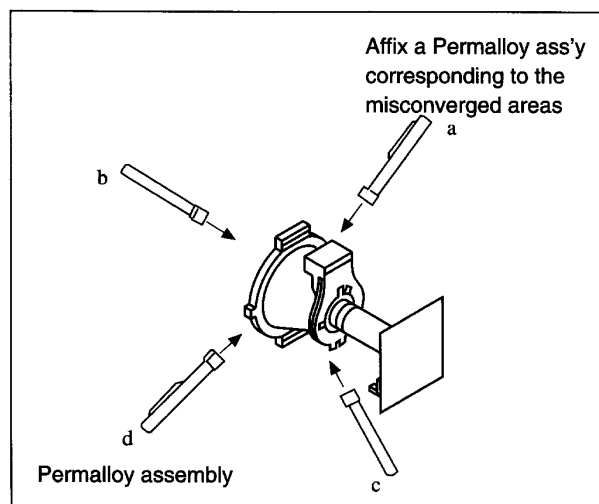
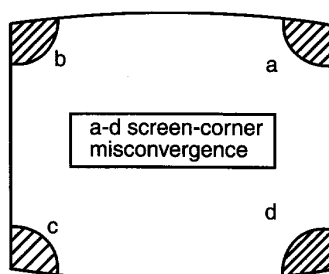
(2) Dynamic Convergence Adjustment

Preparation:

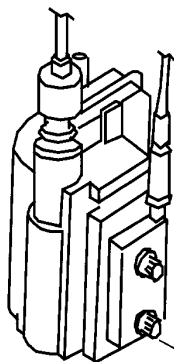
- Before starting, perform the Horizontal and Vertical static convergence adjustment.
1. Slightly loosen the deflection yoke screw.
 2. Remove the deflection yoke spacers.
 3. Move the deflection yoke for best convergence as shown below.
 4. Tighten the deflection yoke screw.
 5. Install the deflection yoke spacers.



(3) Screen-corner Convergence.



3-3. SCREEN (G2), DRIVE, WHITE BALANCE, SUB COLOUR and SUB BRIGHTNESS.



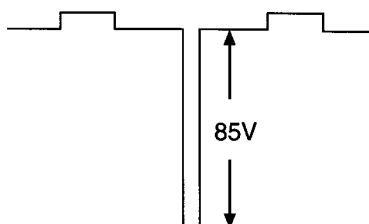
SCREEN

Screen (G2) setting

1. Input a 0 IRE (Black Level) signal from the pattern generator.
2. Enter into the Service Mode "Test""Test" and 38.
3. Adjust the SCREEN VR until the Down arrow is displayed.
4. Adjust the SCREEN VR until the Down arrow just disappears.
5. Press the TV Button on the Remote Commander to store the data.

Drive Level

1. Input a Video signal containing a small area of 100% white on a black background.
2. Connect an oscilloscope to Pin (10) of J701 (R OUT) on the C Board.
3. Set the Picture to maximum using "Test""Test" and 01.
4. Enter into the Service mode (Adjust Menu).
5. Using the Blue and Green buttons select "RED HWB".
6. Using the Red and Yellow buttons on the Remote Commander adjust until the oscilloscope waveform has an amplitude of 85V.

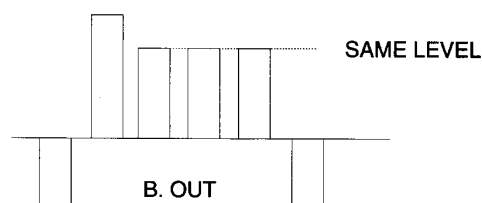


White Balance Adjustment

1. Input an all white pattern from the pattern generator.
2. Adjust the Colour and Brightness controls to the standard level.
3. Enter into the Service Mode.
4. Adjust the Green HWB and Blue HWB so that the White Balance becomes optimum.

Sub Colour Adjustment

1. Input a PAL colour bar pattern from the pattern generator.
2. Connect an oscilloscope to Pin (8) of J701 (B OUT) on the C Board.
3. Enter into the Service Mode "Test""Test" and 22.
4. Using the Red and Yellow buttons on the Remote Commander adjust until the oscilloscope waveform becomes as follows :



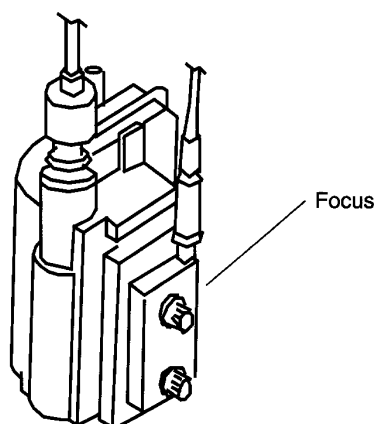
Note : If the TV is able to receive PAL and SECAM transmissions, repeat the above procedure using a Secam colour bar signal.

Sub Brightness Adjustment

1. Input a Philips pattern from the pattern generator.
2. Enter into the Service Mode "Test""Test" and 23.
3. Using the Red and Yellow buttons on the Remote Commander adjust until the 0 IRE of the grey scale and the cut off are only slightly visible on the screen.

3-4. FOCUS

1. Receive a television broadcast.
2. Normalize the picture setting.
3. Adjust the focus control on the flyback transformer to focus the screen centre area properly.
Bring only the centre area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



SECTION 4

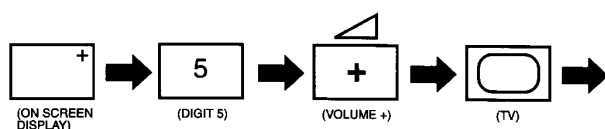
CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied Remote Control Commander RM-836.

HOW TO ENTER INTO SERVICE MODE

1. Turn on the main power of the set and enter into stand-by mode.
2. Press the following sequence of buttons on the Remote Control Commander.



"TT--" will appear in the top right corner of the screen
Other status information will also be displayed.

3. Press the MENU button on the Remote Commander to obtain the menu on the screen.

Adjust.			
▷	16:9 ON		
	System		
	Text		
	AGC	33	00-63
	PLL	32	00-63
V1		00-01	SONY BE-5

Software version

Range of adjustments available from the on screen menu system.

Adjustment	Set	Range
V size	21	0 - 63
V breth	32	0 - 63
Pin amp	12	0 - 63
Para. tilt	43	0 - 63
V linear	42	0 - 63
Corner corr	05	0 - 63
H size	34	0 - 63
V pos	00	0 - 63
H phase	42	0 - 63
Blue	26	0 - 63
Green	32	0 - 63
Red	42	0 - 63
HV blk 1	00	0 - 63
HV blk 2	00	0 - 63
V cent	06	0 - 63
Zwei max	36	0 - 63
zwei min	18	0 - 63

4. Press the Blue (Next) or Green (previous) buttons to select the adjustment item from the table.
5. Press the Yellow (+) or Red (-) buttons to change the data as required.
6. Turn off the power to quit the service mode when adjustments are completed.

4-2. TEST MODE 2:

TT -- Mode is available by pressing the Test button twice, O.S.D 'TT --' appears. The functions described below are available by pressing two digits. To release the 'TT --' mode, press 0 twice, press 'TEST', press 'TV' or switch the TV into Stand-by mode.

00	Switch 'TT--' Mode off.
01	Set picture level to maximum.
02	Set picture level to minimum.
03	Set volume to 35%.
04	Set volume to 50%.
05	Set volume to 65%.
06	Set volume to 80%.
07	Ageing condition (picture max., brightness max.).
08	Shipping condition (Analog values are RESET to factory setting, Prog 1 is selected, TT--mode switched off, Vol = 35%).
09	Dummy.
10	No function.
11	Dummy
12	Dummy.
13	Dummy.
14	Dummy.
15	Read factory setting from ROM to NVM - Reads Volume, Brightness, Picture, Hue, Sharpness and Colour values from ROM to the actual used values (Last Power Memory).
16	Save actual used values as reset values.
17	Enable / Disable Sharpness Operation.
18	Dummy.
19	RGB priority.
20	No function.
21	No function.
22	Sub Colour (Pal / Secam Different Stores)
23	Sub Brightness.
24	RGB priority on.

25	Destination Systems DKE.
26	Destination Systems I/U.
27	Destination System I/I'.
28	Destination BG only.
29	Dummy.
30-31	No function.
32	Picture level to 50%
33-35	No function.
36	Audio mute ON.
37	OSD off.
38	Enter G2 adjustment mode.
39	Sub-brightness
40	No function.
41	Re-initialise NVM.
42	Dummy.
43	Re-initialise Geometry settings.
44-47	Dummy
48	Set NVM testbyte to 44h in NVM.
49	Erase NVM testbyte
50	No function.
51	Toggle 60/100 programs.

Note : For Test Modes 41 - 51, it is necessary to ensure that the TV is set to Prog 59.

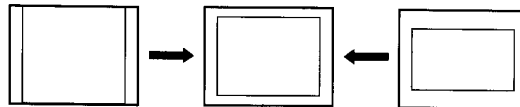
DEFLECTION SYSTEM ADJUSTMENT

1. Enter into the service mode.
2. Using the Blue or Green buttons select the Adjust item.
3. Press the Yellow button to enter the adjustment submenu.
4. Select and adjust each item in order to obtain the optimum image.

See Note on page 23

Adjustment	Set	Range
V size	21	0 - 63
V breth	32	0 - 63
Pin amp	12	0 - 63
Para. tilt	43	0 - 63
V linear	42	0 - 63
Corner corr	05	0 - 63
H size	34	0 - 63
V pos	00	0 - 63
H phase	42	0 - 63
Blue	26	0 - 63
Green	32	0 - 63
Red	42	0 - 63
HV blk 1	00	0 - 63
HV blk 2	00	0 - 63
V cent	06	0 - 63
Zwei max	36	0 - 63
zwei min	18	0 - 63

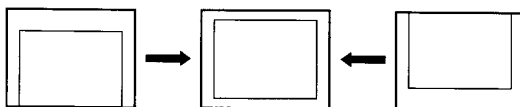
VERT, AMPL



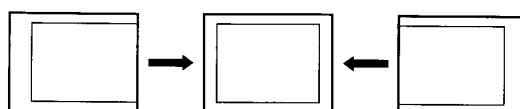
V, LINEAR



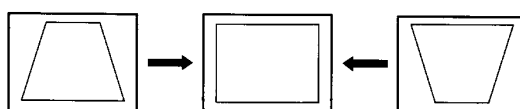
V, CENTRE



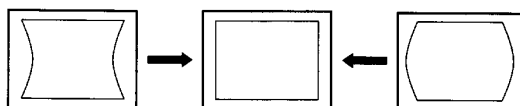
H, CENTRE



PAR TILT

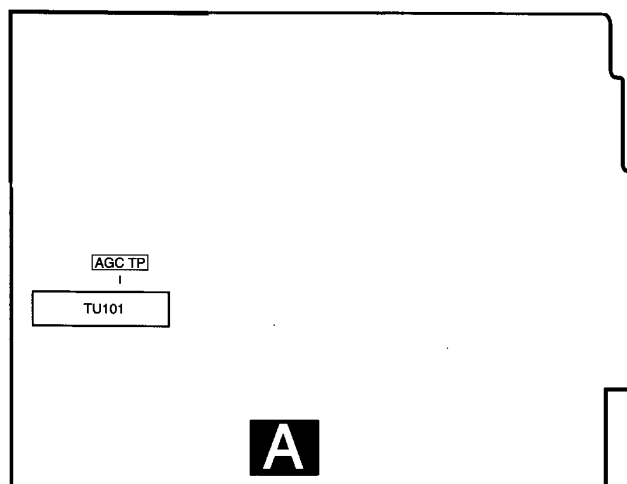


PAR AMP



AGC ADJUSTMENT

1. Receive a signal of 63dBuV / 75 ohm terminated via the tuner socket.
2. Measure the voltage at AGC TP.
3. Adjust TU101 RV to obtain a voltage of $3.0 \pm 0.3V$.



- A Board Component Side -

4-3. BE-5 SELF DIAGNOSTIC SOFTWARE

The identification of errors within the BE-5 chassis is triggered in 1 of 2 ways :- 1: Bus busy or 2: Device failure to respond to I²C. In the event of one of these situations arising the software will first try to release the Bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each relevant device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED by a Series of flashes which must be counted (See Table 1), Non fatal errors are reported with this method.

If a fatal error is found, the set will simply stay in whichever state it was when the error occurred, but if a non fatal error occurs the set will try to continue to operate.

To check error code it is necessary to use TV error display part number S-188-900-10.

Table 1

No. of Flashes	Notes	Error code	Description
-		00	No error.
2	(2)	30	Jungle nacks IIC bus1 transmisson.
3	(3)	31	Jungle FAULT (not OK) - flags.
4	(2)	32	Jungle - No H flyback.
-		33	Jungle - Stack overflow.
5	(4)	40	Sound Processor nacks IIC bus1 transmission.
6	(3)	90	Protection input: X-ray protection.
6	(3)	91	Protection error: No V synchro.
7	(1)	10	NVM nacks IIC bus0 transmission.
8	(3)	20	Tuner nacks IIC bus1 transmission.
9	(1)	01	General IIC bus1 error (SDA1 or SCL1 are being held low.)

- (1) Only reported on mains power up.
- (2) Reported on mains power up or exiting standby.
- (3) Reported at any time and result in the set reverting to standby mode.
- (4) Reported at any time and result in the set reverting to audio mute mode.

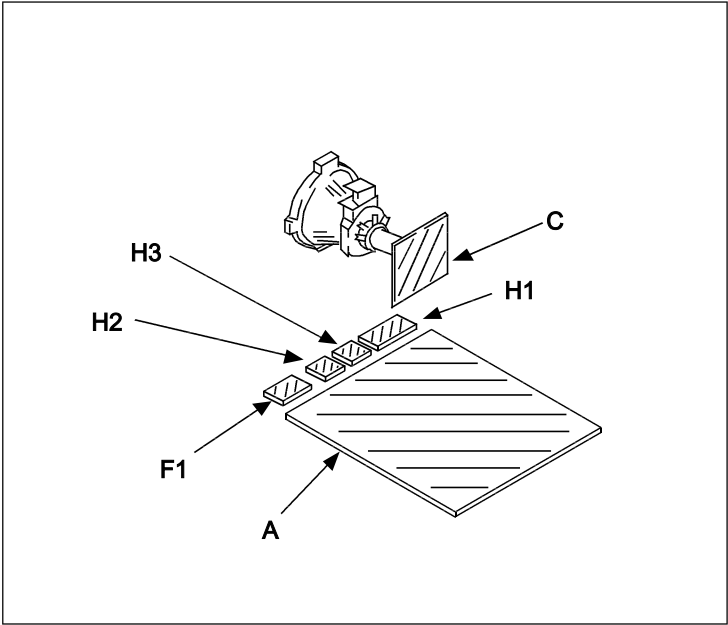
Note : Deflection System Adjustments should not be carried out whilst using an NTSC (60Hz) signal, or if the signal is unlocked.

Flash Timing Example : e.g. error number 3

Stby LED



5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted. pF: μF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
k = 1000 , M = 1000K
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power $\frac{1}{4}$ W

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth - ground.
- : earth - chassis.
- : no mounted.

Note : The components identified by shading and marked are critical for safety. Replace only with the part number specified.

Note : Les composants identifiés par une trame et une marque sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

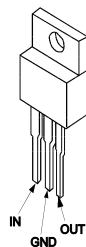
Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
COIL	:	ADJUSTABLE RESISTOR
	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

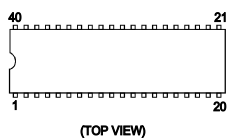
- Readings are taken with a colour-bar signal input.
- Readings are taken with 10M Ω digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)

5-4. SEMICONDUCTORS

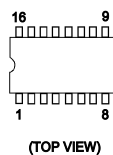
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MC7808CT
TEA7605
TL750L05CLPR



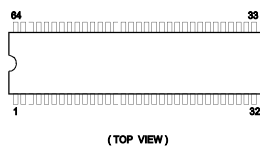
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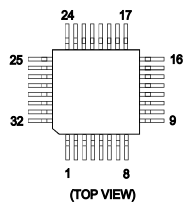
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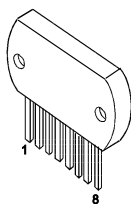
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MSP3410B-PP-F7



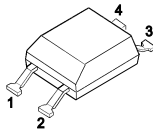
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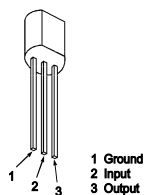
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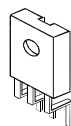
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PC123FY2



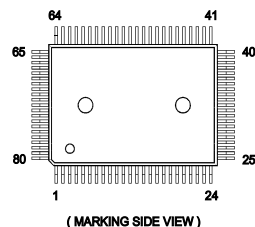
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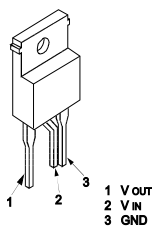
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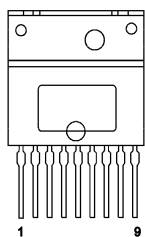
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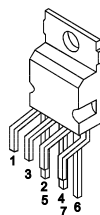
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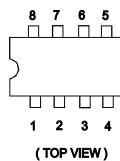
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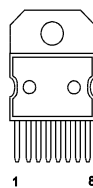
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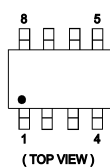
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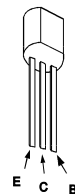
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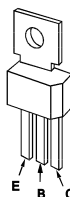
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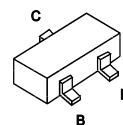
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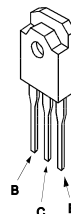
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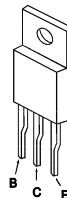
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DTC114EK
DTC114EKA-T146
DTC143TKA-T146
DTC144EKA-T146
2SA1037K-T-146-R
2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



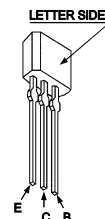
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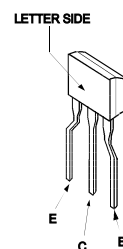
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2SC3852A
2SD2394-EF



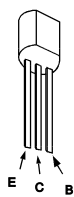
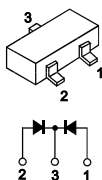
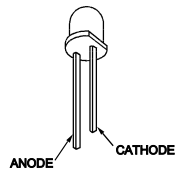
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2SA933AS-RT
2SC1740S-RT



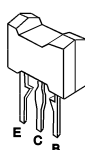
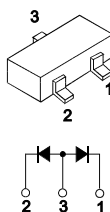
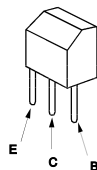
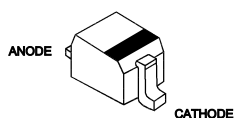
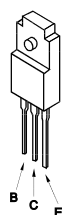
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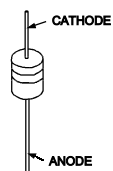
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SEL1210S-D

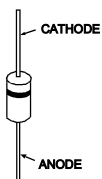
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2SD774-T-4
2SD774-34DTZ5.1B
DTZ9.1
RD5.6S-B
UDZ-TE-17-5.1B
UDZ-TE-17-5.6B
UDZ-TE-17-9.1B2SC4793
2SD1763A

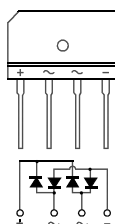
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ERA83-006	MTZJ-12A
MTZJ-T-77-12A	MTZJ-33C
MTZJ-T-77-33C	RD3.9ES-B2
MTZJ-T-77-3.9B	MTZJ-6.2B
MTZJ-T-77-5.1	RD5.1ES-B1
MTZJ-T-77-5.6C	RD5.6ESB2
MTZJ-T-77-6.2	RD6.8ES-B2
MTZJ-T-77-6.8A	RD9.1ES-B3
MTZJ-T-77-6.8C	1SS133T-77



BYD33G	FMN-G12S
BYD33G-AMMO	RGP10GPKG23
EG-1Z-V1	RU3YX-LF-C4
EL1Z	RU-3YX-V1
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ERD28-06S	1SS292T-77
ERD28-08S	



GBU4JL-6088





SECTION 6

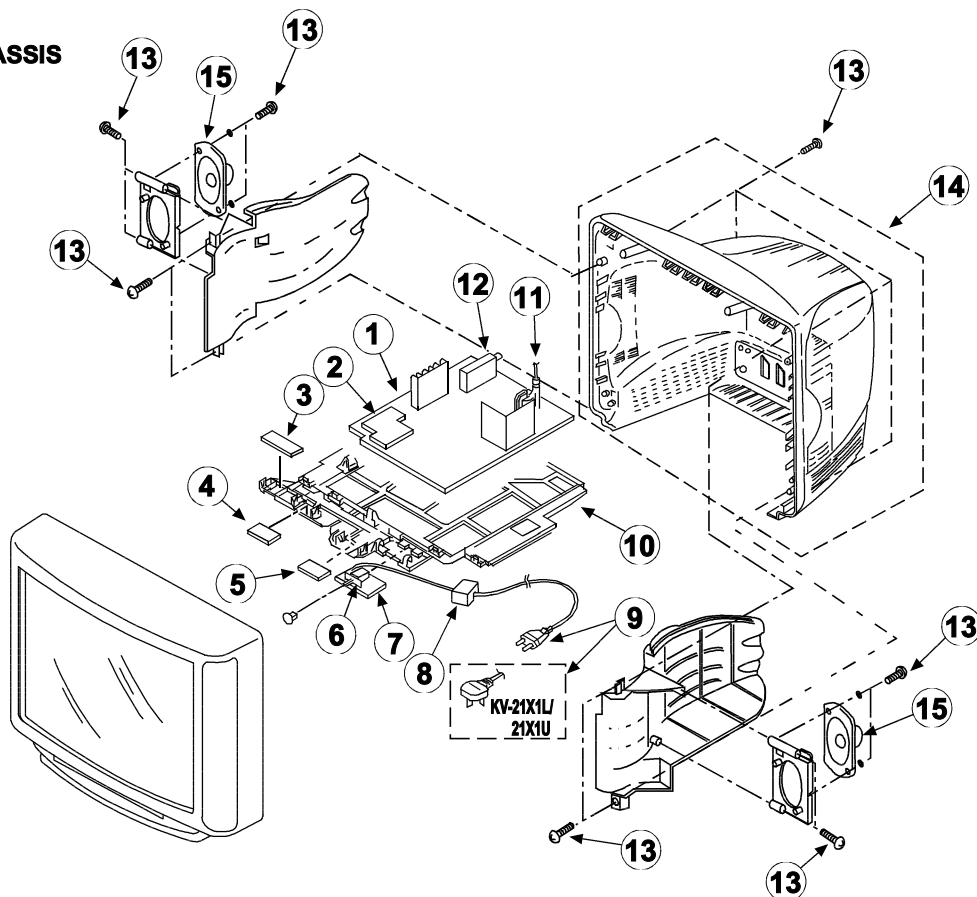
EXPLODED VIEWS







NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

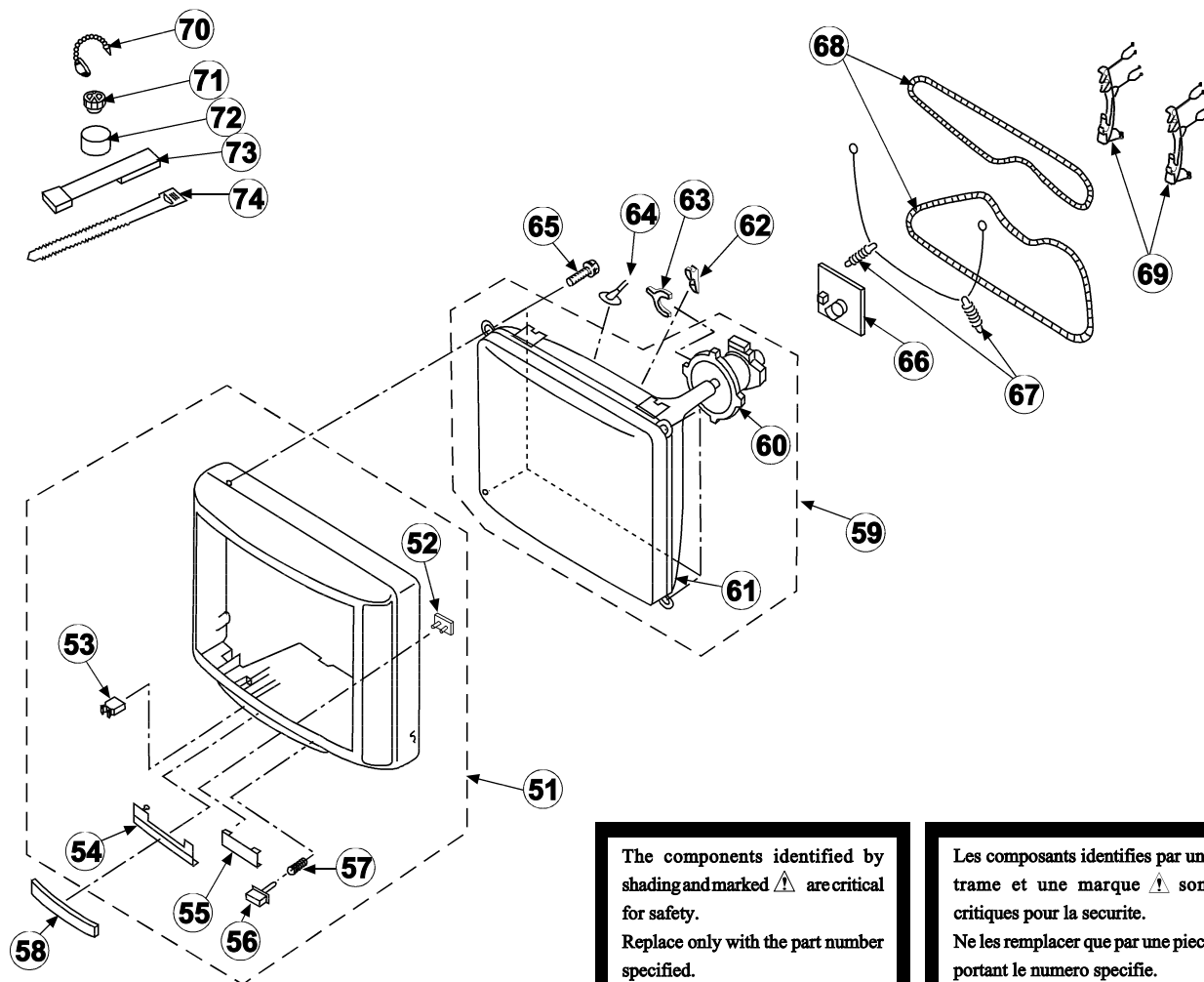
The components identified by shading and marked  are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifique.

6-1. CHASSIS

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*A-1632-549-A	A AND M BOARD, COMPLETE (KV-21X1A)		7	*A-1624-061-A	F1 BOARD, COMPLETE	
	*A-1632-547-A	A AND M BOARD, COMPLETE (KV-21X1B)				(KV-21X1A/21X1B/21X1E)	
	*A-1632-543-A	A AND M BOARD, COMPLETE (KV-21X1D)			*A-1624-059-A	F1 BOARD, COMPLETE	
	*A-1632-548-A	A AND M BOARD, COMPLETE (KV-21X1E)				(KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
	*A-1632-545-A	A AND M BOARD, COMPLETE (KV-21X1K)		8	4-389-201-11	HOLDER, AC CORD	
	*A-1632-546-A	A AND M BOARD, COMPLETE (KV-21X1L)		9	 1-765-286-11	CORD POWER	2.5A/250V
	*A-1632-544-A	A AND M BOARD, COMPLETE (KV-21X1R)			 1-765-268-11	CORD, CONNECTION (KV-21X1B)	
	*A-1632-470-A	A AND M BOARD, COMPLETE (KV-21X1U)			 1-590-762-11	CORD POWER (WITH PLUG)	2.5A/250V
2	*A-1634-042-A	M BOARD, COMPLETE			 1-590-762-11	CORD POWER (WITH PLUG)	(KV-21X1L/21X1U)
3	*A-1646-130-A	H1 BOARD, COMPLETE		10	*4-203-594-01	BRACKET	
		(KV-21X1A/21X1B/21X1E)		11	1-453-199-11	TRANSFORMER ASSY, FLYBACK	
	*A-1646-118-A	H1 BOARD, COMPLETE				(NX-1741/U2A)	
		(KV-21X1D/21X1K/21X1L/21X1R/21X1U)		12	 1-693-338-11	TUNER (TUVIF) (AEP)	
4	*A-1646-132-A	H3 BOARD, COMPLETE				(KV-21X1A/21X1D/21X1E/21X1K/21X1L/21X1R)	
		(KV-21X1A/21X1B/21X1E)			1-693-340-11	TUNER (TUVIF) (FR) (KV-21X1B)	
	*A-1646-120-A	H3 BOARD, COMPLETE			1-693-339-11	TUNER (TUVIF) (UK) (KV-21X1U)	
		(KV-21X1D/21X1K/21X1L/21X1R/21X1U)		13	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
5	*A-1646-131-A	H2 BOARD, COMPLETE		14	X-4200-286-1	COVER ASSY REAR (SC)	
		(KV-21X1A/21X1B/21X1E)		15	1-504-819-11	SPEAKER (7.5X13CM)	
	*A-1646-119-A	H2 BOARD, COMPLETE					
		(KV-21X1D/21X1K/21X1L/21X1R/21X1U)					
6	 1-571-433-21	SWITCH PUSH (AC POWER)					


6-2. PICTURE TUBE




REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-184-1	BEZNET ASSY	52-57	66	*A-1638-102-A	C BOARD, COMPLETE (KV-21X1A/21X1B/21X1E)	
52	4-202-465-01	GUIDE, LED LIGHT			*A-1638-090-A	C BOARD, COMPLETE (KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
53	4-392-036-01	CATCHER PUSH		67	4-369-318-31	SPRING TENSION	
54	4-202-642-01	DOOR		68	1-406-828-11	COIL DEGAUSSING	
55	4-202-643-21	WINDOW ORNAMENTAL		69	*4-386-622-11	BAND, DGC	
56	4-202-637-01	BUTTON POWER		70	4-308-870-00	CLIP, LEAD WIRE	
57	4-202-746-11	SPRING, COMPRESSION		71	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
58	4-202-644-11	ORNAMENT, DOOR		72	1-452-032-00	MAGNET, DISK; 10MM Ø	
59	8-738-787-71	ITC	60-61	73	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
60	8-451-295-45	DEFLECTION YOKE (Y21PFA2BA)		74	3-701-007-00	BAND, BINDING	
61	8-738-784-05	PICTURE TUBE (SD-169) (A51JXH61X)					
62	3-704-495-01	SPACER DY					
63	1-452-277-00	MAGNET, BMC					
64	1-540-006-22	CAP ASSY, HIGH-VOLTAGE					
65	4-036-189-01	SCREW (S), PT					

SECTION 7

ELECTRICAL PARTS LIST

The components identified by shading and marked  are critical for safety. Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

When indicating parts by reference number, please include the board name.

CAPACITORS






MF : mF, PF : mmF

COILS

MMH : mH, μ H : μ H

F1

A and M

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1624-061-A	F1 BOARD, COMPLETE (KV-21X1A/21X1B/ ***** 21X1E)		C022	1-124-903-11	ELECT 1MF	20% 50V
	*A-1624-059-A	F1 BOARD, COMPLETE (KV-21X1D/21X1K/ ***** 21X1L/21X1R/ 21X1U)		C028	1-163-035-00	CERAMIC CHIP 0.047MF	50V
				C029	1-163-077-00	CERAMIC CHIP 0.1MF	50V
	< CONNECTOR >			C034	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
CN603	 *1-580-844-11	PIN, CONNECTOR (POWER)		C035	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
CN604	 *1-695-292-11	PIN, CONNECTOR (POWER)		C036	1-126-965-11	ELECT 22MF	20% 50V
				C037	1-164-346-11	CERAMIC CHIP 1MF	16V
				C038	1-164-346-11	CERAMIC CHIP 1MF	16V
	< FUSE >			C039	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
F601	 1-532-350-00	FUSE (4A 250V)		C040	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
	 *1-533-725-11	HOLDER, FUSE ; F601		C041	1-126-965-11	ELECT 22MF	20% 50V
				C042	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C044	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	< SWITCH >			C050	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
S601	 1-571-433-21	SWITCH, PUSH (AC POWER)		C051	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
				C121	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
				C122	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
				C123	1-163-139-00	CERAMIC CHIP 820PF	5% 50V
				C124	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
	*A-1632-549-A	A AND M BOARD, COMPLETE (KV-21X1A) *****		C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	*A-1632-547-A	A AND M BOARD, COMPLETE (KV-21X1B) *****		C135	1-126-934-11	ELECT 220MF	20% 16V
	*A-1632-543-A	A AND M BOARD, COMPLETE (KV-21X1D) *****		C136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	*A-1632-548-A	A AND M BOARD, COMPLETE (KV-21X1E) *****		C162	1-126-967-11	ELECT 47MF	20% 16V
	*A-1632-545-A	A AND M BOARD, COMPLETE (KV-21X1K) *****		C201	1-126-965-11	ELECT 22MF	20% 50V
	*A-1632-546-A	A AND M BOARD, COMPLETE (KV-21X1L) *****		C202	1-126-965-11	ELECT 22MF	20% 50V
	*A-1632-544-A	A AND M BOARD, COMPLETE (KV-21X1R) *****		C204	1-163-038-00	CERAMIC CHIP 0.1MF	25V
	*A-1632-470-A	A AND M BOARD, COMPLETE (KV-21X1U) *****		C205	1-126-964-11	ELECT 10MF	20% 50V
				C206	1-126-933-11	ELECT 100MF	20% 16V
	1-750-797-11	SOCKET, PLCC		C207	1-126-933-11	ELECT 100MF	20% 16V
	4-202-710-11	SPACER, INSULATING		C208	1-126-964-11	ELECT 10MF	20% 50V
	*4-368-683-11	SPRING, TRANSISTOR		C209	1-163-038-00	CERAMIC CHIP 0.1MF	25V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C210	1-163-033-91	CERAMIC CHIP 0.022MF	50V
				C211	1-126-965-11	ELECT 22MF	20% 50V
	< CAPACITOR >			C214	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C008	1-126-965-11	ELECT 22MF	20% 50V	C215	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C014	1-164-346-11	CERAMIC CHIP 1MF	16V				(KV-21X1B)
C015	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C216	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C016	1-164-222-11	CERAMIC CHIP 0.22MF	25V	C217	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C019	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C218	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C020	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C219	1-126-964-11	ELECT 10MF	20% 50V
C021	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C220	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C221	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
							(KV-21X1B)
				C223	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
				C224	1-163-133-00	CERAMIC CHIP 470PF	5% 50V

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KV-21X1

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C225	1-126-964-11	ELECT 10MF	20% 50V	C354	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C226	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C358	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C227	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C359	1-126-965-11	ELECT 22MF	20% 50V
C228	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C360	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C229	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C401	1-126-967-11	ELECT 47MF	20% 16V
C230	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C402	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C231	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C403	1-164-346-11	CERAMIC CHIP 1MF	16V
C232	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C404	1-164-346-11	CERAMIC CHIP 1MF	16V
C233	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C405	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C234	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C406	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C235	1-126-964-11	ELECT 10MF	20% 50V	C410	1-126-967-11	ELECT 47MF	20% 16V
C236	1-126-964-11	ELECT 10MF	20% 50V	C413	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C240	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C415	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
		(KV-21X1A/21X1B/21X1E)		C416	1-126-965-11	ELECT 22MF	20% 50V
C242	1-164-346-11	CERAMIC CHIP 1MF	16V	C417	1-126-965-11	ELECT 22MF	20% 50V
C243	1-164-346-11	CERAMIC CHIP 1MF	16V	C418	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C244	1-164-346-11	CERAMIC CHIP 1MF	16V	C419	1-164-346-11	CERAMIC CHIP 1MF	16V
C245	1-164-346-11	CERAMIC CHIP 1MF	16V	C420	1-164-346-11	CERAMIC CHIP 1MF	16V
C246	1-126-965-11	ELECT 22MF	20% 50V	C421	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C247	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C422	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C300	1-126-934-11	ELECT 220MF	20% 16V	C423	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C301	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C500	1-130-489-00	FILM 0.033MF	5% 50V
C302	1-163-035-00	CERAMIC CHIP 0.047MF	50V	C501	1-126-963-11	ELECT 4.7MF	20% 50V
C303	1-126-965-11	ELECT 22MF	20% 50V	C502	1-163-077-00	CERAMIC CHIP 0.1MF	50V
C304	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C503	1-126-952-11	ELECT 1000MF	20% 35V
C305	1-124-257-00	ELECT 2.2MF	20% 50V	C504	1-126-968-11	ELECT 100MF	20% 50V
C306	1-107-380-11	FILM 0.0082MF	5% 200V	C505	1-126-941-11	ELECT 470MF	20% 25V
C307	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C506	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C308	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C507	1-126-965-11	ELECT 22MF	20% 50V
C309	1-126-163-11	ELECT 4.7MF	20% 50V	C508	1-130-785-11	MYLAR 0.47MF	10% 100V
C310	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C510	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C312	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C511	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C313	1-163-137-00	CERAMIC CHIP 680PF	5% 50V	C601	△ 1-136-212-12	FILM 0.1MF	20% 300V
C314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C602	△ 1-136-212-12	FILM 0.1MF	20% 300V
C315	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C603	△ 1-113-937-11	CERAMIC 0.0022MF	20% 250V
C316	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C604	△ 1-113-937-11	CERAMIC 0.0022MF	20% 250V
C317	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C605	△ 1-162-599-12	CERAMIC 0.0047MF	250V
C319	1-163-077-00	CERAMIC CHIP 0.1MF	50V	C606	△ 1-162-599-12	CERAMIC 0.0047MF	250V
C320	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C609	1-102-228-00	CERAMIC 470PF	10% 500V
C321	1-126-963-11	ELECT 4.7MF	20% 50V	C610	1-104-665-11	ELECT 100MF	20% 25V
C322	1-163-101-00	CERAMIC CHIP 22PF	5% 50V	C611	1-136-538-11	FILM 0.001MF	3% 2KV
C323	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	C612	1-107-929-11	ELECT 10MF	20% 100V
C324	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C613	1-162-318-11	CERAMIC 0.001MF	10% 500V
C325	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C614	1-104-666-11	ELECT 220MF	20% 25V
C326	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C615	1-124-347-00	ELECT 100MF	20% 160V
C327	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	C616	1-162-116-00	CERAMIC 680PF	10% 2KV
C328	1-163-035-00	CERAMIC CHIP 0.047MF	50V	C617	1-107-929-11	ELECT 10MF	20% 100V
C329	1-163-016-00	CERAMIC CHIP 0.0039MF	10% 50V	C618	1-102-228-00	CERAMIC 470PF	10% 500V
C330	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C619	1-126-942-61	ELECT 1000MF	20% 25V
C332	1-126-965-11	ELECT 22MF	20% 50V	C620	1-126-941-11	ELECT 470MF	20% 25V
C333	1-126-965-11	ELECT 22MF	20% 50V	C621	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C341	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C622	1-126-965-11	ELECT 22MF	20% 50V
C345	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	C623	1-124-618-11	ELECT 2200MF	20% 35V
C347	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C624	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C348	1-163-031-11	CERAMIC CHIP 0.01MF	50V (KV-21X1B)	C625	1-126-967-11	ELECT 47MF	20% 50V
C349	1-126-965-11	ELECT 22MF	20% 50V (KV-21X1B)	C626	1-102-228-00	CERAMIC 470PF	10% 500V
C350	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C627	1-111-097-11	ELECT 0.0022F	20% 35V
C353	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C628	1-126-964-11	ELECT 10MF	20% 50V
				C629	1-124-455-00	ELECT 100MF	20% 16V
				C630	1-113-473-11	ELECT (BLOCK) 180MF	20% 400V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C632	1-106-220-00	MYLAR 0.1MF	10% 100V	C1217	1-137-366-11	FILM 0.0022MF 5% 50V	
C633	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	< FILTER >			
C634	1-104-665-11	ELECT 100MF	20% 25V	CF200	1-409-327-00	TRAP, CERAMIC (6.5MEZ) (KV-21X1B)	
C635	1-111-097-11	ELECT 0.0022F	20% 35V	CF1001	1-767-120-21	VIBRATOR, CERAMIC (8MHz)	
C636	1-102-228-00	CERAMIC 470PF	10% 500V	< CONNECTOR >			
C638	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	CN001	*1-568-880-51	PIN, CONNECTOR 5P	
C639	1-102-228-00	CERAMIC 470PF	10% 500V	CN081	*1-568-881-51	PIN, CONNECTOR 6P	
C640	1-102-110-00	CERAMIC 220PF	10% 50V	CN082	*1-568-880-51	PIN, CONNECTOR 5P	
C641	1-104-797-11	ELECT 0.47MF	20% 100V	CN201	*1-568-879-11	PIN, CONNECTOR 4P	
C645	1-104-665-11	ELECT 100MF	20% 25V	CN402	*1-564-512-11	PLUG, CONNECTOR 9P	
C800	1-107-650-11	ELECT 3.3MF	20% 250V	CN403	*1-568-878-51	PIN, CONNECTOR 3P	
C801	1-129-746-00	FILM 0.039MF	10% 400V	CN404	*1-568-879-11	PIN, CONNECTOR 4P	
C802	1-136-079-00	FILM 0.01MF	3% 2KV	CN601 Δ	*1-695-292-11	PIN, CONNECTOR (POWER)	
C803	1-136-109-00	FILM 0.68MF	5% 200V	CN602 Δ	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
C804	1-124-902-00	ELECT 0.47MF	20% 50V	CN603 Δ	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
C805	1-102-228-00	CERAMIC 470PF	10% 500V	CN801	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C806	1-102-244-00	CERAMIC 220PF	10% 500V	< DIODE >			
C807	1-107-651-11	ELECT 4.7MF	20% 250V	D002	8-719-982-27	DIODE MTZJ-33C	
C809	1-161-754-00	CERAMIC 0.001MF	10% 2KV	D003	8-719-991-33	DIODE 1SS133T-77	
C810	1-129-702-00	FILM 0.001MF	10% 400V	D004	8-719-991-33	DIODE 1SS133T-77	
C812	1-163-005-11	CERAMIC CHIP 470PF	10% 50V	D005	8-719-914-43	DIODE DAN202K	
C814	1-136-159-00	FILM 0.033MF	5% 50V	D006	8-719-914-43	DIODE DAN202K	
C815	1-162-116-00	CERAMIC 680PF	10% 2KV	D007	8-719-914-43	DIODE DAN202K	
C817	1-136-559-11	MYLAR 0.0047MF	10% 400V	D009	8-719-976-99	DIODE DTZ5.1B	
C818	1-136-933-11	FILM 1MF	5% 100V	D011	8-719-976-99	DIODE DTZ5.1B	
C819	1-162-318-11	CERAMIC 0.001MF	10% 500V	D015	8-719-914-44	DIODE DAP202K	
C820	1-126-951-11	ELECT 470MF	20% 35V	D201	8-719-976-99	DIODE DTZ5.1B	
C822	1-104-696-11	FILM 0.015MF	10% 100V	D301	8-719-991-33	DIODE 1SS133T-77	
C823	1-106-375-12	MYLAR 0.022MF	10% 250V	D302	8-719-991-33	DIODE 1SS133T-77	
C824	1-106-367-00	MYLAR 0.01MF	10% 400V	D307	8-719-991-33	DIODE 1SS133T-77 (KV-21X1B)	
C825	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D308	8-719-991-33	DIODE 1SS133T-77 (KV-21X1B)	
C826	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	D401	8-719-109-97	DIODE RD6.8ES-B2	
C827	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	D402	8-719-109-97	DIODE RD6.8ES-B2	
C828	1-124-903-11	ELECT 1MF	20% 50V	D403	8-719-109-97	DIODE RD6.8ES-B2	
C1001	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D404	8-719-109-97	DIODE RD6.8ES-B2	
C1002	1-126-395-11	ELECT 22MF	20% 16V	D405	8-719-109-97	DIODE RD6.8ES-B2	
C1003	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D406	8-719-109-97	DIODE RD6.8ES-B2	
C1004	1-126-395-11	ELECT 22MF	20% 16V	D407	8-719-109-97	DIODE RD6.8ES-B2	
C1005	1-164-492-11	CERAMIC CHIP 0.15MF	10% 16V	D408	8-719-110-14	DIODE RD9.1ES-B3	
C1006	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V	D409	8-719-110-14	DIODE RD9.1ES-B3	
C1007	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V	D410	8-719-110-14	DIODE RD9.1ES-B3	
C1008	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	D411	8-719-991-33	DIODE 1SS133T-77	
C1009	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	D412	8-719-109-97	DIODE RD6.8ES-B2	
C1010	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	D415	8-719-110-14	DIODE RD9.1ES-B3	
C1011	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D416	8-719-977-22	DIODE DTZ9.1	
C1012	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	D417	8-719-977-22	DIODE DTZ9.1	
C1013	1-126-206-11	ELECT 100MF	20% 6.3V	D501	8-719-302-43	DIODE ELIZ	
C1014	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	D602	8-719-991-33	DIODE 1SS133T-77	
C1015	1-164-505-11	CERAMIC CHIP 2.2MF	16V	D603	8-719-109-97	DIODE RD6.8ES-B2	
C1016	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D604	8-719-302-43	DIODE ELIZ	
C1017	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D605	8-719-302-43	DIODE ELIZ	
C1200	1-136-165-00	FILM 0.1MF	5% 50V	D606	8-719-980-78	DIODE ERA83-006	
C1201	1-136-173-00	FILM 0.47MF	5% 50V	D607	8-719-046-78	DIODE EG-1Z-V1	
C1202	1-136-173-00	FILM 0.47MF	5% 50V	D608	8-719-302-43	DIODE ELIZ	
C1203	1-136-169-00	FILM 0.22MF	5% 50V	D609	8-719-312-10	DIODE RU4AM-T3	
C1204	1-136-169-00	FILM 0.22MF	5% 50V	D610	8-719-025-88	DIODE GBU4JL-6088	
C1205	1-101-004-00	CERAMIC 0.01MF	50V	D611	8-719-980-78	DIODE ERA83-006	
C1206	1-101-004-00	CERAMIC 0.01MF	50V				
C1215	1-136-173-00	FILM 0.47MF	5% 50V				
C1216	1-137-366-11	FILM 0.0022MF	5% 50V				

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D612	8-719-046-76	DIODE RU-3YX-V1		IC1004	8-759-440-74	IC M27C512-90C1-BE5-1	
D613	8-719-058-38	DIODE FMN-G12S		IC1200	8-759-250-68	IC TDA7264	
D614	8-719-109-89	DIODE RD5.6ESB2			4-202-373-01	SPRING, IC ; IC1200	
D615	8-719-302-43	DIODE EL1Z				< SOCKET >	
D616	8-719-921-54	DIODE MTZJ-6.2B		J401	1-695-581-11	CONNECTOR, D SUB	
D617	8-719-991-33	DIODE 1SS133T-77				< COIL >	
D619	8-719-980-78	DIODE ERA83-006		L002	1-410-200-31	INDUCTOR CHIP 4.7UH	
D620	8-719-110-14	DIODE RD9.1ES-B3		L108	1-412-522-41	INDUCTOR 5.6UH	
D621	8-719-058-38	DIODE FMN-G12S		L111	1-408-408-00	INDUCTOR 8.2UH	
D622	8-719-991-33	DIODE 1SS133T-77		L112	1-408-397-00	INDUCTOR 1UH	
D623	8-719-921-83	DIODE MTZJ-12A		L113	1-408-408-00	INDUCTOR 8.2UH	
D625	8-719-991-33	DIODE 1SS133T-77		L200	1-408-406-00	INDUCTOR 5.6UH (KV-21X1B)	
D626	8-719-302-43	DIODE EL1Z		L203	1-410-385-11	INDUCTOR CHIP 22UH	
D627	8-719-991-33	DIODE 1SS133T-77		L204	1-410-385-11	INDUCTOR CHIP 22UH	
D801	8-719-950-57	DIODE BYD33G		L301	1-412-002-31	INDUCTOR CHIP 4.7UH	
D802	8-719-302-43	DIODE EL1Z		L302	1-408-607-31	INDUCTOR 22UH	
D803	8-719-945-80	DIODE ERC06-15S		L409	1-408-409-00	INDUCTOR 10UH	
D805	8-719-928-08	DIODE ERD28-08S		L609	1-412-533-21	INDUCTOR 47UH	
D806	8-719-302-43	DIODE EL1Z		L611	1-412-533-21	INDUCTOR 47UH	
D807	8-719-991-33	DIODE 1SS133T-77		L612	1-412-522-41	INDUCTOR 5.6UH	
D809	8-719-302-43	DIODE EL1Z		L613	1-412-522-41	INDUCTOR 5.6UH	
D1200	8-719-109-72	DIODE RD3.9ES-B2		L800	1-412-553-11	INDUCTOR 3.3MMH	
		< FERRITE BEAD >		L801	1-420-872-00	COIL, AIR-CORE	
FB600	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L802	1-411-635-11	COIL, AIR-CORE	
FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L803	1-459-390-00	COIL (WITH CORE)	
FB602	1-412-911-11	INDUCTOR, FERRITE BEAD 1.1UH		L804	1-459-105-21	COIL (WITH CORE)	
FB603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		L805	1-412-531-31	INDUCTOR 33UH	
FB605	1-412-911-11	INDUCTOR, FERRITE BEAD 1.1UH		L806	1-459-652-12	HLC	
FB606	1-412-911-11	INDUCTOR, FERRITE BEAD 1.1UH		L1001	1-408-405-00	INDUCTOR 4.7UH	
FB607	1-412-911-11	INDUCTOR, FERRITE BEAD 1.1UH				< IC LINK >	
FB1001	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		PS600	Δ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
FB1002	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		PS601	Δ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
FB1003	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		PS602	Δ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
		< ENCAPSULATED FILTER >		PS603	Δ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
FL201	1-239-803-11	FILTER, EMI				< TRANSISTOR >	
		< IC >		Q002	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC004	8-759-250-69	IC TEA2124		Q006	8-729-216-22	TRANSISTOR 2SA1162-G	
IC005	8-759-510-54	IC PST572D		Q007	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC200	8-759-429-97	IC MSP3400C-PP-C6 (KV-21X1A/21X1D/21X1K/21X1R)		Q008	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	8-759-429-98	IC MSP3410B-PP-F7 (KV-21X1B/21X1E/21X1L/21X1U)		Q009	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC201	8-759-502-21	IC TDA2822M		Q011	8-729-027-59	TRANSISTOR DTC144EKA-T146	
IC301	8-759-333-45	IC MC44002P		Q012	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC302	8-759-333-46	IC MC44140P		Q013	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC401	8-759-064-91	IC NJM2233BL		Q014	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC501	8-759-192-71	IC STV9379		Q015	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	4-202-373-01	SPRING, IC ; IC501		Q107	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC600	8-749-924-99	IC STR-S6707		Q110	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	4-202-373-01	SPRING, IC ; IC600		Q118	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC601	8-749-010-64	PHOTO COUPLER PC123F2		Q200	8-729-900-53	TRANSISTOR DTC114EK	
IC602	8-749-920-61	IC SE-135N		Q201	8-729-027-56	TRANSISTOR DTC143TKA-T146	
IC603	Δ 8-759-507-29	IC LM7808CT		Q202	8-729-027-56	TRANSISTOR DTC143TKA-T146	
IC604	8-759-250-63	IC TL750L05CLPR		Q204	8-729-920-74	TRANSISTOR 2SC2412K-QR	
IC605	8-759-510-52	IC L4941BV		Q205	8-729-920-74	TRANSISTOR 2SC2412K-QR	
	4-202-373-01	SPRING, IC ; IC605		Q207	8-729-920-74	TRANSISTOR 2SC2412K-QR (KV-21X1B)	
IC1002	8-759-440-72	IC SDA5250M-C9-GEG		Q208	8-729-216-22	TRANSISTOR 2SA1162-G (KV-21X1B)	
IC1003	8-759-432-32	IC ST24W04FM6TR		Q209	8-729-920-74	TRANSISTOR 2SC2412K-QR (KV-21X1B)	

A and M

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q210	8-729-920-74	TRANSISTOR 28C2412K-QR		JR011	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q300	8-729-920-74	TRANSISTOR 28C2412K-QR		JR012	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q301	8-729-900-53	TRANSISTOR DTC114EK					
Q302	8-729-900-53	TRANSISTOR DTC114EK		JR013	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q303	8-729-900-53	TRANSISTOR DTC114EK		JR015	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q304	8-729-900-53	TRANSISTOR DTC114EK		JR016	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q305	8-729-900-53	TRANSISTOR DTC114EK		JR018	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q306	8-729-900-53	TRANSISTOR DTC114EK		JR019	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q307	8-729-026-41	TRANSISTOR 28A933AS-QRT (KV-21X1B)		JR020	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q310	8-729-920-74	TRANSISTOR 28C2412K-QR		JR021	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q311	8-729-920-74	TRANSISTOR 28C2412K-QR		JR022	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q312	8-729-920-74	TRANSISTOR 28C2412K-QR		JR023	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q402	8-729-920-74	TRANSISTOR 28C2412K-QR		JR024	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q403	8-729-920-74	TRANSISTOR 28C2412K-QR		JR025	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q404	8-729-920-74	TRANSISTOR 28C2412K-QR		JR026	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q405	8-729-920-74	TRANSISTOR 28C2412K-QR		JR028	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q406	8-729-920-74	TRANSISTOR 28C2412K-QR		JR029	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q407	8-729-920-74	TRANSISTOR 28C2412K-QR		JR030	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q408	8-729-920-74	TRANSISTOR 28C2412K-QR		JR032	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q500	8-729-017-06	TRANSISTOR 28C4793		JR033	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q501	8-729-920-74	TRANSISTOR 28C2412K-QR		JR034	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q601	8-729-025-04	TRANSISTOR 28C3852A		JR036	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q602	8-729-320-28	TRANSISTOR 28A1667		JR038	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q603	8-729-027-08	TRANSISTOR 28C2389STP-R		JR040	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q604	8-729-024-35	TRANSISTOR 28C2808STP-R		JR043	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q606	8-729-029-56	TRANSISTOR DTA144ESA		JR046	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q608	8-729-027-59	TRANSISTOR DTC144EKA-T146		JR071	1-216-296-00	METAL GLAZE	0 5% 1/8W
Q617	8-729-119-78	TRANSISTOR 28C2785-HFE		JR072	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q801	8-729-140-50	TRANSISTOR 28C3209LK		JR1001	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q802	8-729-033-85	TRANSISTOR S2000N-16E305A		JR1002	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q803	8-729-027-59	TRANSISTOR DTC144EKA-T146		R001	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
Q804	8-729-019-01	TRANSISTOR 28D2394-EF		R005	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q805	8-729-140-96	TRANSISTOR 28D774-34		R007	1-216-238-91	METAL GLAZE	47K 5% 1/8W
Q1200	8-729-920-74	TRANSISTOR 28C2412K-QR		R010	1-216-031-00	METAL GLAZE	180 5% 1/10W
Q1201	8-729-920-74	TRANSISTOR 28C2412K-QR		R012	1-249-437-11	CARBON	47K 5% 1/4W
< RESISTOR >				R015	1-216-049-00	METAL GLAZE	1K 5% 1/10W
JR17	1-216-295-00	METAL GLAZE	0 5% 1/10W	R017	1-216-097-00	METAL GLAZE	100K 5% 1/10W
JR39	1-216-295-00	METAL GLAZE	0 5% 1/10W	R018	1-216-025-00	METAL GLAZE	100 5% 1/10W
JR43	1-216-295-00	METAL GLAZE	0 5% 1/10W	R019	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
JR45	1-216-295-00	METAL GLAZE	0 5% 1/10W	R020	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR47	1-216-295-00	METAL GLAZE	0 5% 1/10W	R021	1-216-262-00	METAL GLAZE	470K 5% 1/8W
JR51	1-216-295-00	METAL GLAZE	0 5% 1/10W	R022	1-216-238-91	METAL GLAZE	47K 5% 1/8W
JR52	1-216-295-00	METAL GLAZE	0 5% 1/10W	R023	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
JR55	1-216-295-00	METAL GLAZE	0 5% 1/10W	R025	1-216-091-00	METAL GLAZE	56K 5% 1/10W
JR56	1-216-295-00	METAL GLAZE	0 5% 1/10W	R026	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
JR57	1-216-295-00	METAL GLAZE	0 5% 1/10W	R027	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR59	1-216-295-00	METAL GLAZE	0 5% 1/10W	R028	1-216-025-00	METAL GLAZE	100 5% 1/10W
JR60	1-216-295-00	METAL GLAZE	0 5% 1/10W	R029	1-216-039-00	METAL GLAZE	390 5% 1/10W
JR61	1-216-295-00	METAL GLAZE	0 5% 1/10W	R030	1-215-900-11	METAL OXIDE	22K 5% 2W F
JR62	1-216-295-00	METAL GLAZE	0 5% 1/10W	R031	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR66	1-216-295-00	METAL GLAZE	0 5% 1/10W	R032	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR69	1-216-295-00	METAL GLAZE	0 5% 1/10W	R034	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR003	1-216-295-00	METAL GLAZE	0 5% 1/10W	R036	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR004	1-216-295-00	METAL GLAZE	0 5% 1/10W	R037	1-216-093-00	METAL GLAZE	68K 5% 1/10W
JR006	1-216-295-00	METAL GLAZE	0 5% 1/10W	R038	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR007	1-216-295-00	METAL GLAZE	0 5% 1/10W	R040	1-216-089-00	METAL GLAZE	47K 5% 1/10W
JR008	1-216-295-00	METAL GLAZE	0 5% 1/10W	R041	1-216-238-91	METAL GLAZE	47K 5% 1/8W
JR009	1-216-296-00	METAL GLAZE	0 5% 1/8W	R044	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR010	1-216-296-00	METAL GLAZE	0 5% 1/8W	R045	1-216-081-00	METAL GLAZE	22K 5% 1/10W
				R046	1-216-254-00	METAL GLAZE	220K 5% 1/8W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R047	1-216-075-00	METAL GLAZE 12K 5%	1/10W	R222	1-216-001-00	METAL GLAZE 10 5%	1/10W (KV-21X1B)
R049	1-216-041-00	METAL GLAZE 470 5%	1/10W	R223	1-216-041-00	METAL GLAZE 470 5%	1/10W (KV-21X1B)
R050	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R224	1-216-025-00	METAL GLAZE 100 5%	1/10W (KV-21X1B)
R051	1-216-174-00	METAL GLAZE 100 5%	1/8W	R225	1-216-037-00	METAL GLAZE 330 5%	1/10W
R052	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R226	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R053	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R227	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R064	1-216-222-00	METAL GLAZE 10K 5%	1/8W	R228	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W (KV-21X1B)
R065	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R229	1-216-073-00	METAL GLAZE 10K 5%	1/10W (KV-21X1B)
R066	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R230	1-216-025-00	METAL GLAZE 100 5%	1/10W (KV-21X1B)
R067	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R231	1-216-035-00	METAL GLAZE 270 5%	1/10W (KV-21X1B)
R068	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R236	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R069	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R237	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R070	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R238	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R075	1-216-045-00	METAL GLAZE 680 5%	1/10W	R239	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R076	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R240	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R078	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	R301	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R088	1-216-027-00	METAL GLAZE 120 5%	1/10W	R302	1-216-037-00	METAL GLAZE 330 5%	1/10W
R089	1-216-037-00	METAL GLAZE 330 5%	1/10W	R303	1-216-090-00	METAL GLAZE 51K 5%	1/10W
R090	1-216-043-91	METAL GLAZE 560 5%	1/10W	R304	1-216-025-00	METAL GLAZE 100 5%	1/10W
R097	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R305	1-216-025-00	METAL GLAZE 100 5%	1/10W
R098	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W	R306	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R099	1-216-200-11	METAL GLAZE 1.2K 5%	1/8W	R307	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R110	1-216-174-00	METAL GLAZE 100 5%	1/8W	R308	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R111	1-216-174-00	METAL GLAZE 100 5%	1/8W	R309	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R112	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R310	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R113	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R311	1-216-025-00	METAL GLAZE 100 5%	1/10W
R114	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R312	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R115	1-216-190-00	METAL GLAZE 470 5%	1/8W	R313	1-216-045-00	METAL GLAZE 680 5%	1/10W
R116	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R314	1-216-045-00	METAL GLAZE 680 5%	1/10W
R117	1-216-222-00	METAL GLAZE 10K 5%	1/8W	R315	1-216-045-00	METAL GLAZE 680 5%	1/10W
R118	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R316	1-216-033-00	METAL GLAZE 220 5%	1/10W
R119	1-216-031-00	METAL GLAZE 180 5%	1/10W	R317	1-216-033-00	METAL GLAZE 220 5%	1/10W
R120	1-216-041-00	METAL GLAZE 470 5%	1/10W	R318	1-216-019-00	METAL GLAZE 56 5%	1/10W
R124	1-216-025-00	METAL GLAZE 100 5%	1/10W	R322	1-216-022-00	METAL GLAZE 75 5%	1/10W
R125	1-216-025-00	METAL GLAZE 100 5%	1/10W	R323	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R126	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R325	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R134	1-216-037-00	METAL GLAZE 330 5%	1/10W	R327	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R163	1-216-029-00	METAL GLAZE 150 5%	1/10W	R328	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R174	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R332	1-216-093-00	METAL GLAZE 68K 5%	1/10W (KV-21X1A/21X1B/21X1E)
R200	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W		1-216-089-00	METAL GLAZE 47K 5%	1/10W (KV-21X1D/21X1K/21X1L/21X1R/21X1U)
R201	1-249-389-11	CARBON 4.7 5%	1/4W F	R333	1-216-037-00	METAL GLAZE 330 5%	1/10W
R202	1-216-097-00	METAL GLAZE 100K 5%	1/10W	R334	1-216-033-00	METAL GLAZE 220 5%	1/10W
R203	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R335	1-216-295-00	METAL GLAZE 0 5%	1/10W
R204	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R336	1-216-295-00	METAL GLAZE 0 5%	1/10W
R205	1-216-295-00	METAL GLAZE 0 5%	1/10W	R337	1-216-295-00	METAL GLAZE 0 5%	1/10W
R207	1-249-389-11	CARBON 4.7 5%	1/4W F	R339	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R209	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R340	1-216-270-00	METAL GLAZE 1M 5%	1/8W
R210	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R341	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R211	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R342	1-216-189-00	METAL GLAZE 430 5%	1/8W
R213	1-216-174-00	METAL GLAZE 100 5%	1/8W	R343	1-216-295-00	METAL GLAZE 0 5%	1/10W
R214	1-216-174-00	METAL GLAZE 100 5%	1/8W	R344	1-216-295-00	METAL GLAZE 0 5%	1/10W
R215	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R218	1-216-037-00	METAL GLAZE 330 5%	1/10W (KV-21X1B)				
R219	1-216-049-00	METAL GLAZE 1K 5%	1/10W (KV-21X1B)				
R220	1-216-045-00	METAL GLAZE 680 5%	1/10W (KV-21X1B)				
R221	1-216-033-00	METAL GLAZE 220 5%	1/10W (KV-21X1B)				


KV-21X1


A and M

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R345	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R502	1-216-677-11	METAL CHIP 12K 0.50%	1/10W
R347	1-216-041-00	METAL GLAZE 470 5%	1/10W	R503	1-216-230-00	METAL GLAZE 22K 5%	1/8W
		(KV-21X1B)		R504	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R348	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R505	1-216-075-00	METAL GLAZE 12K 5%	1/10W
		(KV-21X1B)					
R349	1-216-105-91	METAL GLAZE 220K 5%	1/10W	R506	1-216-080-00	METAL GLAZE 20K 5%	1/10W
		(KV-21X1B)		R507	1-216-350-11	METAL OXIDE 1.2 5%	1W F
R350	1-216-033-00	METAL GLAZE 220 5%	1/10W	R508	1-215-865-11	METAL OXIDE 220 5%	1W F
		(KV-21X1B)		R509	1-249-383-11	CARBON 1.5 5%	1/4W F
R351	1-216-292-11	METAL GLAZE 8.2M 5%	1/8W	R510	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R352	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R513	1-249-426-11	CARBON 5.6K 5%	1/4W
R354	1-216-033-00	METAL GLAZE 220 5%	1/10W	R514	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R355	1-216-121-91	METAL GLAZE 1M 5%	1/10W	R515	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R356	1-216-119-00	METAL GLAZE 820K 5%	1/10W	R601 Δ	1-202-962-11	WIREWOUND 3.3 5%	10W
				R602	1-249-417-11	CARBON 1K 5%	1/4W
R357	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R603	1-215-898-11	METAL OXIDE 10K 5%	2W F
		(KV-21X1A/21X1B/21X1E)		R604	1-215-902-11	METAL OXIDE 47K 5%	2W F
	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R605	1-216-364-11	METAL OXIDE 0.39 5%	2W F
		(KV-21X1D/21X1K/21X1L/21X1R/21X1U)		R607	1-215-858-00	METAL OXIDE 15 5%	1W F
R359	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R608	1-216-365-00	METAL OXIDE 0.47 5%	2W F
R360	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R609	1-249-420-11	CARBON 1.8K 5%	1/4W
R361	1-216-022-00	METAL GLAZE 75 5%	1/10W	R610	1-249-415-11	CARBON 680 5%	1/4W
R362	1-216-022-00	METAL GLAZE 75 5%	1/10W	R611	1-216-354-11	METAL OXIDE 2.7 5%	1W F
R363	1-216-022-00	METAL GLAZE 75 5%	1/10W	R612 Δ	1-260-135-11	CARBON 1M 5%	1/2W
R364	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R613	1-249-417-11	CARBON 1K 5%	1/4W
R365	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R614 Δ	1-218-265-11	METAL 8.2M 5%	1W
R366	1-216-041-00	METAL GLAZE 470 5%	1/10W	R615	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R367	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R616	1-215-479-00	METAL 270K 1%	1/4W
R368	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R617	1-215-877-11	METAL OXIDE 22K 5%	1W F
R369	1-216-238-91	METAL GLAZE 47K 5%	1/8W	R618	1-247-863-91	CARBON 22K 5%	1/4W
R401	1-216-041-00	METAL GLAZE 470 5%	1/10W	R619	1-249-424-11	CARBON 3.9K 5%	1/4W
R402	1-247-807-31	CARBON 100 5%	1/4W	R620	1-247-895-91	CARBON 470K 5%	1/4W
R403	1-247-807-31	CARBON 100 5%	1/4W	R621	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R404	1-216-022-00	METAL GLAZE 75 5%	1/10W	R622	1-249-437-11	CARBON 47K 5%	1/4W
R405	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R623	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R406	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R632	1-247-807-31	CARBON 100 5%	1/4W
R407	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R634	1-249-397-11	CARBON 22 5%	1/4W F
R408	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R635	1-249-437-11	CARBON 47K 5%	1/4W
R409	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R636	1-249-417-11	CARBON 1K 5%	1/4W
R410	1-216-171-00	METAL GLAZE 75 5%	1/8W	R637	1-247-815-91	CARBON 220 5%	1/4W
R411	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R638	1-247-863-91	CARBON 22K 5%	1/4W
R412	1-216-041-00	METAL GLAZE 470 5%	1/10W	R645	1-249-422-11	CARBON 2.7K 5%	1/4W
R413	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R646	1-249-382-11	CARBON 1.2 5%	1/4W F
R414	1-260-311-11	CARBON 39 5%	1/2W	R647	1-202-933-61	FUSIBLE 0.1 10%	1/2W F
R415	1-260-311-11	CARBON 39 5%	1/2W	R648	1-249-407-11	CARBON 150 5%	1/4W
R416	1-216-022-00	METAL GLAZE 75 5%	1/10W	R651	1-215-902-11	METAL OXIDE 47K 5%	2W F
R417	1-216-174-00	METAL GLAZE 100 5%	1/8W	R800	1-215-887-00	METAL OXIDE 150 5%	2W F
R418	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R801	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R419	1-216-113-00	METAL GLAZE 470K 5%	1/10W	R802	1-216-174-00	METAL GLAZE 100 5%	1/8W
R420	1-247-807-31	CARBON 100 5%	1/4W	R803	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R421	1-247-807-31	CARBON 100 5%	1/4W	R804	1-215-917-11	METAL OXIDE 1K 5%	3W F
R422	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R805	1-215-897-11	METAL OXIDE 6.8K 5%	2W F
R423	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R806	1-216-349-00	METAL OXIDE 1 5%	1W F
R424	1-216-093-00	METAL GLAZE 68K 5%	1/10W	R807	1-249-399-11	CARBON 33 5%	1/4W
R425	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R808	1-260-115-11	CARBON 22K 5%	1/2W
R426	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R809	1-216-476-11	METAL OXIDE 180 5%	3W F
R427	1-216-049-00	METAL GLAZE 1K 5%	1/10W	R810	1-247-895-91	CARBON 470K 5%	1/4W
R428	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R811	1-216-455-11	METAL OXIDE 560 5%	2W F
R429	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W	R813	1-216-295-00	METAL GLAZE 0 5%	1/10W
R430	1-216-009-00	METAL GLAZE 22 5%	1/10W	R814	1-217-811-11	FUSIBLE 0.47 5%	1/4W
R501	1-208-806-11	METAL CHIP 10K 0.50%	1/10W	R815	1-216-101-00	METAL GLAZE 150K 5%	1/10W

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Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

KV-21X1

A and M

M

REF.NO.	PART NO.	DESCRIPTION			REMARK	REF.NO.	PART NO.	DESCRIPTION			REMARK
R816	1-216-366-00	METAL OXIDE	0.56	5%	2W F	R1212	1-249-424-11	CARBON	3.9K	5%	1/4W
R817	1-216-447-00	METAL OXIDE	27	5%	2W F			< RELAY >			
R818	1-260-115-11	CARBON	22K	5%	1/2W						
R819	1-249-441-11	CARBON	100K	5%	1/4W						
R820	1-217-820-11	FUSIBLE	3.3K	5%	1/4W						
R821	1-216-295-00	METAL GLAZE	0	5%	1/10W			< TRANSFORMER >			
R822	1-216-107-00	METAL GLAZE	270K	5%	1/10W						
R823	1-249-413-11	CARBON	470	5%	1/4W						
R824	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W						
R825	1-216-105-91	METAL GLAZE	220K	5%	1/10W						
R826	1-216-296-00	METAL GLAZE	0	5%	1/8W						
R828	1-216-115-00	METAL GLAZE	560K	5%	1/10W						
R841	1-217-371-00	FUSIBLE	0.47	10%	1/4W F			< THERMISTOR >			
R1001	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1002	1-216-095-00	METAL GLAZE	82K	5%	1/10W						
R1003	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W						
R1004	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W						
R1005	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W						
R1006	1-216-129-00	METAL GLAZE	2.2M	5%	1/10W						
R1009	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1010	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1011	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1012	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1013	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R1014	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R1015	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1016	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1017	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1019	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1020	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1021	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1022	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1023	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1024	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1025	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1026	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1027	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1028	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1029	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1030	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1031	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1032	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1033	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1034	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1035	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1036	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1037	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1038	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1039	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1040	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1041	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1042	1-216-025-00	METAL GLAZE	100	5%	1/10W						
R1043	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W						
R1200	1-216-206-00	METAL GLAZE	2.2K	5%	1/8W						
R1201	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W						
R1202	1-216-081-00	METAL GLAZE	22K	5%	1/10W						
R1203	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W						
R1208	1-212-849-00	FUSIBLE	4.7	5%	1/4W F						
R1209	1-212-849-00	FUSIBLE	4.7	5%	1/4W F						
R1211	1-249-424-11	CARBON	3.9K	5%	1/4W						



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Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< FILTER >				R1042	1-216-025-00	METAL GLAZE 100 5%	1/10W
CF1001	1-767-120-21	VIBRATOR, CERAMIC (8MHz)		R1043	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
< FERRITE BEAD >				*****			
FB1001	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		*A-1638-102-A	C BOARD, COMPLETE	(KV-21X1A/21X1B/21X1E)	
FB1002	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		*A-1638-090-A	C BOARD, COMPLETE	(KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
FB1003	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		< CAPACITOR >			
< IC >				C701	1-102-117-00	CERAMIC 820PF 10%	50V
IC1002	8-759-440-72	IC SDA5250M-C9-GEG		C702	1-102-117-00	CERAMIC 820PF 10%	50V
IC1003	8-759-432-32	IC ST24W04FM6TR		C703	1-102-117-00	CERAMIC 820PF 10%	50V
IC1004	8-759-440-74	IC M27C512-90C1-BE5-1		C704	1-102-824-00	CERAMIC 470PF 5%	50V
IC1200	8-759-250-68	IC TDA7264		C705	1-102-824-00	CERAMIC 470PF 5%	50V
	4-202-373-01	SPRING, IC ; IC1200		C706	1-102-824-00	CERAMIC 470PF 5%	50V
< COIL >				C707	1-107-651-11	ELECT 4.7MF 20%	250V
L1001	1-408-405-00	INDUCTOR 4.7UH		C709	1-162-114-00	CERAMIC 0.0047MF	2KV
< RESISTOR >				C710	1-126-967-11	ELECT 47MF 20%	16V
JR1001	1-216-295-00	METAL GLAZE 0 5%	1/10W	C711	1-101-880-00	CERAMIC 47PF 5%	50V
JR1002	1-216-295-00	METAL GLAZE 0 5%	1/10W	C712	1-102-820-00	CERAMIC 330PF 5%	50V
R1001	1-216-025-00	METAL GLAZE 100 5%	1/10W	C713	1-101-880-00	CERAMIC 47PF 5%	50V
R1002	1-216-095-00	METAL GLAZE 82K 5%	1/10W	< CONNECTOR >			
R1003	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	CNC71	*1-568-881-51	PIN, CONNECTOR 6P	
R1004	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	CNC72	*1-568-880-51	PIN, CONNECTOR 5P	
R1005	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	CNC73	1-695-915-11	TAB (CONTACT)	
R1006	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W	CNC76	1-695-915-11	TAB (CONTACT)	
R1009	1-216-025-00	METAL GLAZE 100 5%	1/10W	< DIODE >			
R1010	1-216-025-00	METAL GLAZE 100 5%	1/10W	D701	8-719-991-33	DIODE 1SS133T-77	
R1011	1-216-025-00	METAL GLAZE 100 5%	1/10W	D702	8-719-991-33	DIODE 1SS133T-77	
R1012	1-216-025-00	METAL GLAZE 100 5%	1/10W	D703	8-719-991-33	DIODE 1SS133T-77	
R1013	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	D704	8-719-991-33	DIODE 1SS133T-77	
R1014	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	D705	8-719-991-33	DIODE 1SS133T-77	
R1015	1-216-025-00	METAL GLAZE 100 5%	1/10W	D706	8-719-991-33	DIODE 1SS133T-77	
R1016	1-216-025-00	METAL GLAZE 100 5%	1/10W	D707	8-719-991-33	DIODE 1SS133T-77	
R1017	1-216-025-00	METAL GLAZE 100 5%	1/10W	D708	8-719-991-33	DIODE 1SS133T-77	
R1019	1-216-025-00	METAL GLAZE 100 5%	1/10W	D709	8-719-991-33	DIODE 1SS133T-77	
R1020	1-216-025-00	METAL GLAZE 100 5%	1/10W	D716	8-719-991-33	DIODE 1SS133T-77	
R1021	1-216-025-00	METAL GLAZE 100 5%	1/10W	D717	8-719-054-81	DIODE 1SS292T-77	
R1022	1-216-025-00	METAL GLAZE 100 5%	1/10W	D718	8-719-991-33	DIODE 1SS133T-77	
R1023	1-216-025-00	METAL GLAZE 100 5%	1/10W	D719	8-719-054-81	DIODE 1SS292T-77	
R1024	1-216-025-00	METAL GLAZE 100 5%	1/10W	D723	8-719-991-33	DIODE 1SS133T-77	
R1025	1-216-025-00	METAL GLAZE 100 5%	1/10W	D724	8-719-054-81	DIODE 1SS292T-77	
R1026	1-216-025-00	METAL GLAZE 100 5%	1/10W	< CRT SOCKET >			
R1027	1-216-025-00	METAL GLAZE 100 5%	1/10W	J701	Δ 1-526-990-22	SOCKET, CRT	
R1028	1-216-025-00	METAL GLAZE 100 5%	1/10W	< COIL >			
R1029	1-216-025-00	METAL GLAZE 100 5%	1/10W	L702	1-408-425-00	INDUCTOR 220UH	
R1030	1-216-025-00	METAL GLAZE 100 5%	1/10W	< TRANSISTOR >			
R1031	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R1032	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R1033	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE	
R1034	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q704	8-729-906-70	TRANSISTOR BF871-127	
R1035	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q705	8-729-906-70	TRANSISTOR BF871-127	
R1036	1-216-025-00	METAL GLAZE 100 5%	1/10W	Q706	8-729-906-70	TRANSISTOR BF871-127	
R1037	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R1038	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R1039	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R1040	1-216-025-00	METAL GLAZE 100 5%	1/10W				
R1041	1-216-025-00	METAL GLAZE 100 5%	1/10W				

C

H1

H2

H3

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q707	8-729-200-17	TRANSISTOR 2SA1091-0	
Q708	8-729-200-17	TRANSISTOR 2SA1091-0	
Q709	8-729-200-17	TRANSISTOR 2SA1091-0	
< RESISTOR >			
R700	1-249-405-11	SOLID 100 10% 1/4W	
R701	1-249-417-11	CARBON 1K 5% 1/4W	
R702	1-249-417-11	CARBON 1K 5% 1/4W	
R706	1-249-399-11	CARBON 33 5% 1/4W	
R707	1-249-401-11	CARBON 47 5% 1/4W	
R708	1-247-815-91	CARBON 220 5% 1/4W	
R709	1-247-815-91	CARBON 220 5% 1/4W	
R710	1-247-815-91	CARBON 220 5% 1/4W	
R711	1-249-417-11	CARBON 1K 5% 1/4W	
R714	1-249-417-11	CARBON 1K 5% 1/4W	
R715	1-249-417-11	CARBON 1K 5% 1/4W	
R716	1-249-417-11	CARBON 1K 5% 1/4W	
R717	1-260-105-11	CARBON 3.3K 5% 1/2W	
R718	1-260-105-11	CARBON 3.3K 5% 1/2W	
R719	1-260-105-11	CARBON 3.3K 5% 1/2W	
R720	1-215-923-00	METAL OXIDE 10K 5% 3W F	
R721	1-215-923-00	METAL OXIDE 10K 5% 3W F	
R722	1-215-923-00	METAL OXIDE 10K 5% 3W F	
R724	1-202-814-11	SOLID 33K 10% 1/2W	
R725	1-202-846-00	SOLID 470K 10% 1/2W	
R729	1-216-355-11	METAL OXIDE 3.3 5% 1W F	
R730	1-249-410-11	CARBON 270 5% 1/4W	
R731	1-247-815-91	CARBON 220 5% 1/4W	
R732	1-249-410-11	CARBON 270 5% 1/4W	
R734	1-247-815-91	CARBON 220 5% 1/4W	
R735	1-247-815-91	CARBON 220 5% 1/4W	
R736	1-247-815-91	CARBON 220 5% 1/4W	
R744	1-260-103-11	CARBON 2.2K 5% 1/2W	
R745	1-260-103-11	CARBON 2.2K 5% 1/2W	
R746	1-260-103-11	CARBON 2.2K 5% 1/2W	
< VARIABLE RESISTOR >			
RV702	1-241-656-21	RES, ADJ, METAL FILM 110M	

	*A-1646-130-A	H1 BOARD, COMPLETE (KV-21X1A/21X1B/ ***** 21X1E)	
	*A-1646-118-A	H1 BOARD, COMPLETE (KV-21X1D/21X1K/ ***** 21X1L/21X1R/ 21X1U)	
< CAPACITOR >			
C900	1-101-810-00	CERAMIC 100PF 5% 500V	
C901	1-101-810-00	CERAMIC 100PF 5% 500V	
C902	1-137-372-11	FILM 0.022MF 5% 50V	
C903	1-137-372-11	FILM 0.022MF 5% 50V	
< CONNECTOR >			
CN902	1-568-678-11	TERMINAL BLOCK, 8 3P	
CN906	*1-564-512-11	PLUG, CONNECTOR 9P	
< JACK >			
J900	1-764-606-11	JACK	

REF.NO.	PART NO.	DESCRIPTION	REMARK
< COIL >			
L900	1-408-409-00	INDUCTOR 10UH	
L901	1-408-409-00	INDUCTOR 10UH	
L902	1-408-409-00	INDUCTOR 10UH	
L903	1-408-409-00	INDUCTOR 10UH	
< RESISTOR >			
R909	1-249-437-11	CARBON 47K 5% 1/4W	
R910	1-249-437-11	CARBON 47K 5% 1/4W	

	*A-1646-131-A	H2 BOARD, COMPLETE (KV-21X1A/21X1B/ ***** 21X1E)	
	*A-1646-119-A	H2 BOARD, COMPLETE (KV-21X1D/21X1K/ ***** 21X1L/21X1R/ 21X1U)	
< CAPACITOR >			
C904	1-104-665-11	ELECT 100MF 20% 25V	
C905	1-126-964-11	ELECT 10MF 20% 50V	
< CONNECTOR >			
CN907	*1-568-879-11	PIN, CONNECTOR 4P	
< DIODE >			
D901	8-719-302-45	DIODE SEL1210S-D	
	*4-203-258-01	HOLDER, LED ; D901	
< IC >			
IC900	8-742-014-00	RECEIVER HIC SBX1981-51	
< RESISTOR >			
R900	1-249-417-11	CARBON 1K 5% 1/4W	
R908	1-249-401-11	CARBON 47 5% 1/4W	

	*A-1646-132-A	H3 BOARD, COMPLETE (KV-21X1A/21X1B/ ***** 21X1E)	
	*A-1646-120-A	H3 BOARD, COMPLETE (KV-21X1D/21X1K/ ***** 21X1L/21X1R/ 21X1U)	
< CONNECTOR >			
CN908	*1-568-878-51	PIN, CONNECTOR 3P	
< RESISTOR >			
R911	1-247-843-11	CARBON 3.3K 5% 1/4W	
R912	1-249-429-11	CARBON 10K 5% 1/4W	
R913	1-247-843-11	CARBON 3.3K 5% 1/4W	
R914	1-249-429-11	CARBON 10K 5% 1/4W	
< SWITCH >			
S900	1-692-979-11	SWITCH, TACTILE	
S901	1-692-979-11	SWITCH, TACTILE	
S902	1-692-979-11	SWITCH, TACTILE	

KV-21X1

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
MISCELLANEOUS *****							
	Δ 1-406-828-11	COIL, DEGAUSSING					
	1-452-032-00	MAGNET, DISC; 10MM \emptyset					
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM \emptyset					
	1-452-277-00	MAGNET, BMC					
	Δ 1-453-199-11	TRANSFORMER ASSY, FLYBACK (NX-1741/U2A)					
	1-504-819-11	SPEAKER (7.5X13CM)					
	Δ 1-540-006-22	CAP ASSY, HIGH-VOLTAGE					
	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)					
	Δ 1-765-286-11	CORD, POWER (KV-21X1A/21X1D/21X1E/21X1K/21X1R)	2.5A/250V				
	Δ 1-765-268-11	CORD, CONNECTION (KV-21X1B)					
	Δ 1-590-762-11	CORD, POWER (WITH PLUG) (KV-21X1L/21X1U)	2.5A/250V				
	1-693-338-11	TUNER (TUVIF) (AEP) (KV-21X1A/21X1D/21X1E/21X1K/21X1L/21X1R)					
	1-693-340-11	TUNER (TUVIF) (FR) (KV-21X1B)					
	1-693-339-11	TUNER (TUVIF) (UK) (KV-21X1U)					
	Δ 8-738-784-05	PICTURE TUBE (SD-169) (A51JXH61X)					
	Δ 8-738-787-71	ITC					
	Δ 8-451-295-45	DEFLECTION YOKE (Y21PFA2BA)					

ACCESSORIES AND PACKING MATERIALS *****							
	*4-042-477-01	BAG, PROTECTION (KV-21X1A/21X1B/21X1E)					
	*4-039-905-02	BAG, PROTECTION (KV-21X1D/21X1K/21X1L/21X1R/21X1U)					
	*4-044-002-01	CUSHION (UPPER) (ASSY)					
	*4-044-003-01	CUSHION (LOWER) (ASSY)					
	*4-044-004-01	INDIVIDUAL CARTON					
	4-203-592-41	MANUAL, INSTRUCTION (KV-21X1A) (ITALIAN)					
	4-203-592-51	MANUAL, INSTRUCTION (KV-21X1B)					
	4-203-592-11	MANUAL, INSTRUCTION (KV-21X1D) (GERMAN/ENGLISH/DUTCH/ITALIAN/FRENCH/ GREEK/TURKISH)					
	4-203-592-71	MANUAL, INSTRUCTION (KV-21X1E) (SPANISH)					
	4-203-591-81	MANUAL, INSTRUCTION (KV-21X1E) (PORTUGUESE)					
	4-203-591-91	MANUAL, INSTRUCTION (KV-21X1K) (ENGLISH/POLISH/CZECH)					
	4-203-xxx-91	MANUAL, INSTRUCTION (KV-21X1R) (ENGLISH/RUSSIAN/BULGARAN)					
	4-203-591-61	MANUAL, INSTRUCTION (KV-21X1L/21X1U) (ENGLISH)					
REMOTE COMMANDER *****							
	1-473-194-11	COMMANDER, STANDARD TYPE (RM-836)					

SERVICE MANUAL

BE-5 CHASSIS

MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-21X1A	RM-836	Italian	SCC-K31B-A	KV-21X1K	RM-836	OIRT	SCC-K35A-A
KV-21X1B	RM-836	French	SCC-K36A-A	KV-21X1L	RM-836	Irish	SCC-K35B-A
KV-21X1D	RM-836	AEP	SCC-K32D-A	KV-21X1R	RM-836	OIRT	SCC-K34A-A
KV-21X1E	RM-836	Spanish	SCC-K30B-A	KV-21X1U	RM-836	UK	SCC-K33A-A

SUPPLEMENT - 1

SUBJECT : DELETION OF M BOARD

File this supplement with the service manual

INTRODUCTION : M Board has been deleted from above models.

- **SECTION 5 DIAGRAMS**

- (A Board, Page 35) See page 3
- (C Board, Page 45) See page 8
- (H1 Board, Page 48) See page 2
- (H2 Board, Page 48) See page 2

- **SECTION 6 EXPLODED VIEWS**

- 6-1. CHASSIS (Page 52) See page 9
- 6-2. PICTURE TUBE (Page 53) ... See page 10

- **SECTION 7 ELECTRICAL PARTS LIST (Page 54) See page 11**





TRINITRON® COLOR TV
SONY®

SECTION 6 EXPLODED VIEWS

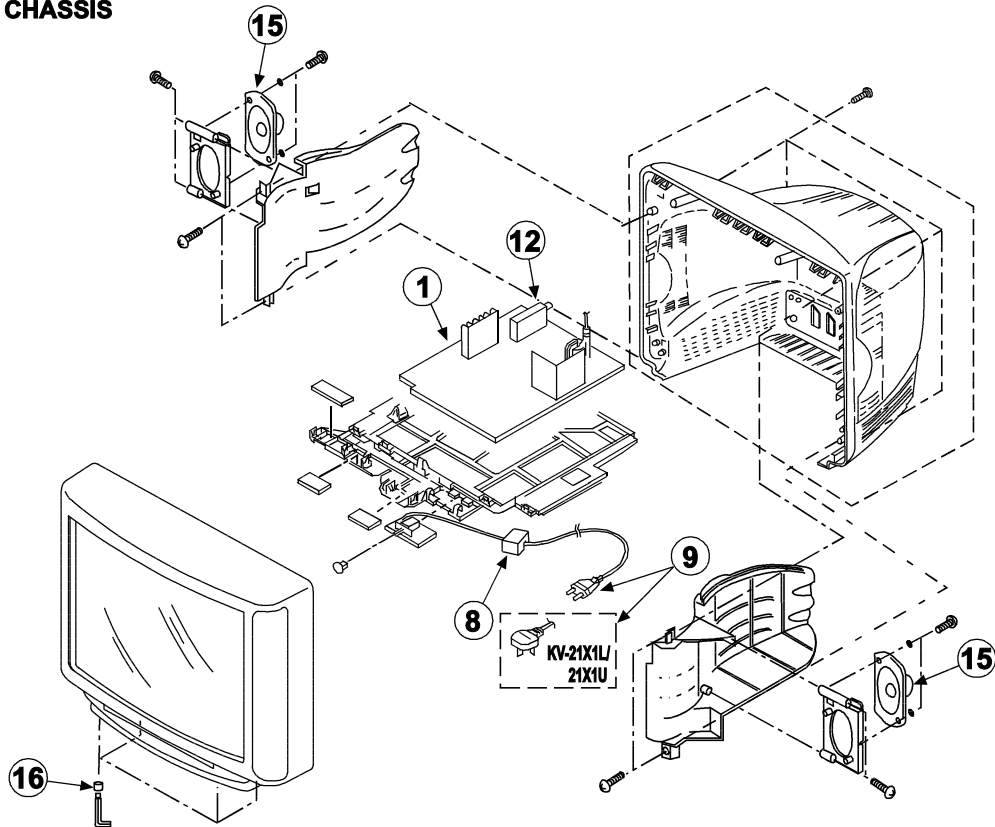
NOTE :



- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked  are critical for safety. Replace only with the part number specified.

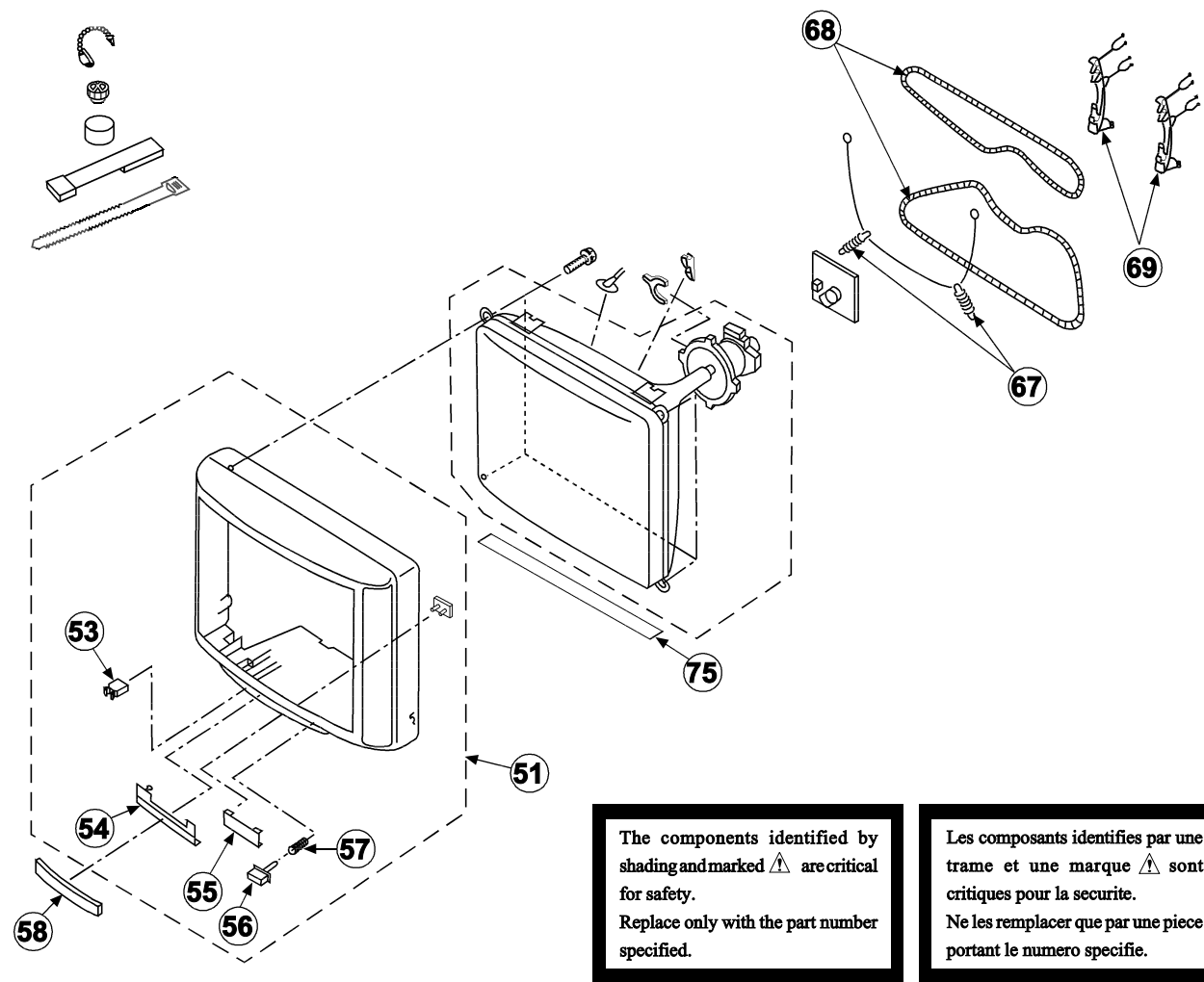
Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS



REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*A-1632-695-A	A BOARD, COMPLETE (KV-21X1A)					
2	*A-1634-042-A	M BOARD, COMPLETE (DELETED)					
8	4-389-201-01	HOLDER, AC CORD (KV-21X1D/21X1K/21X1L/21X1R/21X1U)					
9	 1-765-268-11	CORD, POWER (KV-21X1B)					
	 1-776-204-11	CORD, POWER (WITH PLUG) 2.5A/250V (KV-21X1L/21X1U)					
12	1-693-340-11	TUNER (TUVIF) (KV-21X1U)					
15	1-544-727-21	SPEAKER (7.5X13CM)					
16	4-203-385-01	M4 INSERT (KV-21X1L/21X1U)					

6-2. PICTURE TUBE



REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-297-1	BEZNET ASSY (KV-21X1A/21X1B/21X1E)		67	4-369-318-21	SPRING TENSION	
	X-4200-298-1	BEZNET ASSY				(KV-21X1A/21X1B/21X1E)	
		(KV-21X1D/21X1K/21X1L/21X1R/21X1U)			4-200-433-01	SPRING TENSION	
53	4-047-464-01	CATCHER PUSH				(KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
54	4-043-526-01	DOOR (KV-21X1A/21X1B/21X1E)		68	⚠ 1-411-922-11	COIL DEGAUSSING	
55	4-043-525-01	WINDOW ORNAMENTAL				(KV-21X1A/21X1B/21X1E)	
		(KV-21X1A/21X1B/21X1E)		69	*4-386-622-01	BAND, DGC	
56	4-043-517-01	BUTTON POWER				(KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
57	4-202-746-01	SPRING, COMPRESSION		75	4-203-128-01	SHEET, BLOTTING	
		(KV-21X1A/21X1B/21X1E)				(KV-21X1A/21X1B/21X1E)	
58	4-043-527-01	ORNAMENT, DOOR			4-203-128-11	SHEET BLOTTING	
		(KV-21X1A/21X1B/21X1E)				(KV-21X1D/21X1K/21X1L/21X1R/21X1U)	
	4-202-644-01	ORNAMENT, DOOR					
		(KV-21X1D/21X1K/21X1R)					

SECTION 7

ELECTRICAL PARTS LIST

The components identified by shading and marked \triangle are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

When indicating parts by reference number, please include the board name.

CAPACITORS

MF : mF, PF : mmF

COILS

MMH : mH, μ H : mH

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1632-695-A	A BOARD, COMPLETE (KV-21X1A)					

		< CAPACITOR >					
C002	1-126-968-11	ELECT 100MF	20% 50V	C345	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
C003	1-164-492-11	CERAMIC CHIP 0.15MF	10% 16V	C350	DELETED		
C004	1-163-034-00	CERAMIC CHIP 0.033MF	50V	C355	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V
C005	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C358	DELETED		
C006	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C414	1-126-967-11	ELECT 47MF	20% 16V
C007	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C424	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C009	1-126-961-11	ELECT 2.2MF	20% 50V	C425	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C011	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	C500	1-137-465-11	FILM 0.056MF	5% 50V
C012	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C603 \triangle	1-117-700-61	CERAMIC 0.0022MF	99% 250V
C013	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V	C604 \triangle	1-117-700-61	CERAMIC 0.0022MF	99% 250V
C016	DELETED			C620	1-111-041-11	ELECT 0.001MF	20% 16V
C017	1-162-638-11	CERAMIC CHIP 1MF	16V	C623	1-111-034-11	ELECT 220MF	20% 16V
C018	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C629	1-126-933-11	ELECT 100MF	20% 16V
C022	1-126-960-11	ELECT 1MF	20% 50V	C630	1-117-751-11	ELECT 220MF	20% 450V
C024	1-126-965-11	ELECT 22MF	20% 50V				(KV-21X1R)
C025	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C631	1-124-910-11	ELECT 47MF	20% 50V
C026	1-126-965-11	ELECT 22MF	20% 50V	C632	1-130-785-11	MYLAR 0.47MF	10% 100V
C027	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C638	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
C028	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C641	1-130-783-00	MYLAR 0.33MF	10% 100V
C030	1-163-077-00	CERAMIC CHIP 0.1MF	50V	C645	1-104-666-11	ELECT 220MF	20% 25V
C045	1-164-505-11	CERAMIC CHIP 2.2MF	16V	C646	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C046	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C647	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C050	DELETED			C804	1-126-959-11	ELECT 0.47MF	20% 50V
C051	DELETED			C809	1-162-134-11	CERAMIC 470PF	10% 2KV
C099	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V	C812	1-163-121-11	CERAMIC CHIP 150PF	5% 50V
C202	1-126-941-11	ELECT 470MF	20% 25V	C813	1-162-115-00	CERAMIC 330PF	10% 2KV
C204	DELETED			C815	1-162-134-11	CERAMIC 470PF	10% 2KV
C205	1-126-963-11	ELECT 4.7MF	20% 50V	C827	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V
C208	1-126-963-11	ELECT 4.7MF	20% 50V	C828	1-126-960-11	ELECT 1MF	20% 50V
C209	DELETED			C1001	DELETED		
C213	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C1002	DELETED		
C300	1-126-942-61	ELECT 1000MF	20% 25V	C1003	DELETED		
C302	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C1004	DELETED		
C306	1-136-164-00	FILM 0.082MF	5% 50V	C1005	DELETED		
C307	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C1006	DELETED		
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C1007	DELETED		
C325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C1008	DELETED		
C326	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V	C1009	DELETED		
C328	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C1010	DELETED		
C333	DELETED			C1011	DELETED		
				C1012	DELETED		
				C1013	DELETED		
				C1014	DELETED		
				C1015	DELETED		
				C1016	DELETED		

A

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1017	DELETED			< COIL >			
	< FILTER >			L001	1-408-405-00	INDUCTOR 4.7UH	
CF001	1-767-120-21	VIBRATOR, CERAMIC		L002	DELETED		
CF1001	DELETED			L108	1-414-740-21	INDUCTOR 4.7UH	
	< CONNECTOR >			L301	1-410-989-11	INDUCTOR CHIP 0.47UH	
CN001	*1-564-508-11	PIN, CONNECTOR 5P		L302	1-410-396-41	INDUCTOR 0.45UH	
CN403	*1-564-518-11	PIN, CONNECTOR 3P		L405	1-408-409-00	INDUCTOR 10UH	
CN404	*1-564-519-11	PIN, CONNECTOR 4P		L406	1-408-409-00	INDUCTOR 10UH	
CN602	Δ DELETED			L407	1-408-409-00	INDUCTOR 10UH	
	< DIODE >			L408	1-408-409-00	INDUCTOR 10UH	
D003	8-719-914-43	DIODE DAN202K		L409	1-410-985-11	INDUCTOR CHIP 0.22UH	
D009	8-719-976-99	DIODE UDZ-TE-5.1B		L410	1-408-409-00	INDUCTOR 10UH	
D011	8-719-976-99	DIODE UDZ-TE-5.1B		L411	1-408-409-00	INDUCTOR 10UH	
D012	8-719-992-02	DIODE RB705D		L412	1-410-985-11	INDUCTOR CHIP 0.22UH	
D014	8-719-056-84	DIODE UDZ-TE-7.5B		L501	1-412-525-31	INDUCTOR 10UH	
	< DIODE >			L609	1-414-743-21	INDUCTOR 47UH	
D015	DELETED			L611	1-414-743-21	INDUCTOR 47UH	
D201	DELETED			L1001	DELETED		
D306	8-719-976-80	DIODE UDZ-TE-5.1B		< TRANSISTOR >			
D307	8-719-914-43	DIODE DAN202K (KV-21X1B)		Q002	8-729-120-28	TRANSISTOR 2SC1623	
D338	8-719-991-33	DIODE DAN202K		Q007	8-729-120-28	TRANSISTOR 2SC1623	
	< DIODE >			Q008	8-729-120-28	TRANSISTOR 2SC1623	
D413	8-719-991-33	DIODE 1SS133T-77		Q009	8-729-120-28	TRANSISTOR 2SC1623	
D414	8-719-056-84	DIODE UDZ-TE-7.5B		Q011	1-801-806-11	TRANSISTOR DTC144EKA	
D416	8-719-056-84	DIODE UDZ-TE-7.5B		Q012	8-729-120-28	TRANSISTOR 2SC1623	
D417	8-719-056-84	DIODE UDZ-TE-7.5B		Q013	8-729-120-28	TRANSISTOR 2SC1623	
D421	8-719-109-97	DIODE RD6.8ES-B2		Q014	8-729-120-28	TRANSISTOR 2SC1623	
	< DIODE >			Q015	DELETED		
D606	8-719-028-89	DIODE EK04-V1		Q110	8-729-120-28	TRANSISTOR 2SC1623	
D611	8-719-028-89	DIODE EK04-V1		Q118	8-729-120-28	TRANSISTOR 2SC1623	
D614	8-719-109-97	DIODE RD6.8ES		Q204	8-729-120-28	TRANSISTOR 2SC1623	
D616	8-719-110-03	DIODE RD7.5ES		Q205	8-729-120-28	TRANSISTOR 2SC1623	
D619	8-719-028-89	DIODE EK04-V1		Q207	8-729-120-28	TRANSISTOR 2SC1623	
	< DIODE >			Q209	8-729-120-28	TRANSISTOR 2SC1623	
D623	8-719-924-16	DIODE MTZJ-T-77-24 (KV-21X1A/21X1B/21X1D/21X1E/21X1K/21X1L/21X1R)		Q210	8-729-120-28	TRANSISTOR 2SC1623	
	8-719-110-60	DIODE RD24ES (KV-21X1U)		Q300	8-729-120-28	TRANSISTOR 2SC1623	
	< FERRITE BEAD >			Q310	8-729-120-28	TRANSISTOR 2SC1623	
FB001	1-412-911-11	INDUCTOR, FERRITE BEAD		Q311	8-729-120-28	TRANSISTOR 2SC1623	
FB002	1-412-911-11	INDUCTOR, FERRITE BEAD		Q312	8-729-120-28	TRANSISTOR 2SC1623	
FB003	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		Q402	8-729-120-28	TRANSISTOR 2SC1623	
FB1001	DELETED			Q403	8-729-120-28	TRANSISTOR 2SC1623	
FB1002	DELETED			Q404	8-729-120-28	TRANSISTOR 2SC1623	
	< IC >			Q405	8-729-120-28	TRANSISTOR 2SC1623	
IC001	8-759-473-01	IC SDA5255		Q406	8-729-120-28	TRANSISTOR 2SC1623	
IC002	8-759-437-34	IC ST24W04FB6		Q407	8-729-120-28	TRANSISTOR 2SC1623	
IC200	8-759-493-49	IC MSP3410D-PB-84 (KV-21X1B/21X1E/21X1L/21X1U)		Q408	8-729-120-28	TRANSISTOR 2SC1623	
IC604	8-759-457-41	IC KA76L05Z		Q409	8-729-120-28	TRANSISTOR 2SC1623	
	< DIODE >			Q410	8-729-026-49	TRANSISTOR 2SA1037AK	
IC1002	DELETED			Q411	8-729-120-28	TRANSISTOR 2SC1623	
IC1003	DELETED			Q501	8-729-120-28	TRANSISTOR 2SC1623	
IC1004	DELETED			Q608	8-729-027-56	TRANSISTOR DTC143TTKA-T146	
	< SOCKET >			Q802	8-729-041-25	TRANSISTOR S2055N-16E305A (KV-21X1A/21X1B/21X1E)	
J401	1-695-551-11	SOCKET, 21P (KV-21X1A/21X1B/21X1E)		Q803	1-801-806-11	TRANSISTOR DTC144EKA	
	1-561-534-00	SOCKET, 21P (KV-21X1D/21X1K/21X1L/21X1R/21X1U)		Q1200	8-729-120-28	TRANSISTOR 2SC1623	
				Q1201	8-729-120-28	TRANSISTOR 2SC1623	


The components identified by shading and marked △ are critical for safety.
Replace only with the part number specified.


Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

KV-21X1

A

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
< RESISTOR >				R351	1-216-463-11	METAL GLAZE 8.2M 5%	1/10W
R002	1-216-025-00	METAL GLAZE 100 5%	1/10W	R352	DELETED		
R003	1-216-025-00	METAL GLAZE 100 5%	1/10W	R356	DELETED		
R004	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R357	DELETED		
R005	1-216-174-00	METAL GLAZE 100 5%	1/8W	R407	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R006	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R408	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R007	1-216-089-00	METAL GLAZE 47K 5%	1/10W	R409	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R013	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R410	1-216-022-00	METAL GLAZE 75 5%	1/10W
R014	1-249-071-00	METAL GLAZE 8.2K 5%	1/10W	R422	1-216-691-11	METAL GLAZE 47K 0.50%	1/10W
R015	DELETED			R423	1-216-691-11	METAL GLAZE 47K 0.50%	1/10W
R016	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W	R424	1-216-691-11	METAL GLAZE 47K 0.50%	1/10W
R017	1-216-095-00	METAL GLAZE 82K 5%	1/10W	R425	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R020	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R426	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R021	1-216-258-00	METAL GLAZE 330K 5%	1/8W	R427	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R022	1-216-081-00	METAL GLAZE 22K 5%	1/10W	R429	1-216-188-00	METAL GLAZE 390 5%	1/8W
R023	1-216-041-00	METAL GLAZE 470 5%	1/10W	R430	1-216-001-00	METAL GLAZE 10 5%	1/10W
R027	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R431	1-216-041-00	METAL GLAZE 470 5%	1/10W
R028	DELETED			R432	1-216-041-00	METAL GLAZE 470 5%	1/10W
R031	1-216-025-00	METAL GLAZE 100 5%	1/10W	R433	1-216-043-91	METAL GLAZE 560 5%	1/10W
R032	1-216-025-00	METAL GLAZE 100 5%	1/10W	R434	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R435	1-216-041-00	METAL GLAZE 470 5%	1/10W
R040	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R436	1-216-001-00	METAL GLAZE 10 5%	1/10W
R041	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W	R437	1-216-022-00	METAL GLAZE 75 5%	1/10W
R043	1-216-022-00	METAL GLAZE 75 5%	1/10W	R501	1-216-675-11	METAL CHIP 10K 0.50%	1/10W
R047	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R502	1-216-675-11	METAL CHIP 10K 0.50%	1/10W
R053	1-216-063-91	METAL GLAZE 3.9K 5%	1/10W	R503	1-216-218-00	METAL GLAZE 6.8K 5%	1/8W
R054	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W	R504	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R057	1-216-198-91	METAL GLAZE 1K 5%	1/8W	R505	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R060	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W	R506	1-216-669-11	METAL CHIP 5.6K 0.50%	1/10W
R061	1-216-073-00	METAL GLAZE 10K 5%	1/10W (KV-21X1D/21X1K/21X1L/21X1R/21X1U) (KV-21X1D/21X1K/21X1L/21X1R/21X1U)	R510	DELETED		
R062	1-216-073-00	METAL GLAZE 10K 5%	1/10W (KV-21X1D/21X1K/21X1L/21X1R/21X1U)	R513	1-249-429-11	CARBON 10K 5%	1/4W
R063	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W (KV-21X1D/21X1K/21X1L/21X1R/21X1U)	R514	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R071	1-216-174-00	METAL GLAZE 100 5%	1/8W	R516	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R072	1-216-174-00	METAL GLAZE 100 5%	1/8W	R605	1-216-365-00	METAL OXIDE 0.47 5%	2W F
R075	DELETED			R625	1-249-426-11	CARBON 5.6K 5%	1/4W
R076	DELETED			R628	1-216-049-00	METAL GLAZE 1K 5%	1/10W F
R088	1-216-043-91	METAL GLAZE 560 5%	1/10W	R806	1-216-350-00	METAL OXIDE 1.2 5%	1W F
R089	1-216-043-91	METAL GLAZE 560 5%	1/10W	R808	1-260-115-11	CARBON 22K 5%	1/2W (KV-21X1D/21X1K/21X1L/21X1R/21X1U)
R114	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W	R809	1-215-911-11	METAL OXIDE 100 5%	3W F
R174	1-216-033-00	METAL GLAZE 220 5%	1/10W	R811	1-215-891-11	METAL OXIDE 680 5%	2W F
R201	DELETED			R820	1-215-869-11	METAL OXIDE 1K 5%	1W F
R203	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R822	1-216-103-00	METAL GLAZE 180K 5%	1/10W
R204	1-216-077-00	METAL GLAZE 15K 5%	1/10W	R841	1-249-377-11	CARBON 0.47 5%	1/4W F
R206	1-249-399-11	CARBON 33 5%	1/4W	R862	1-216-115-00	METAL GLAZE 47K 5%	2W
R207	DELETED			R1001	DELETED		
R318	1-216-021-00	METAL GLAZE 68 5%	1/10W	R1002	DELETED		
R326	1-216-041-00	METAL GLAZE 470 5%	1/10W	R1003	DELETED		
R328	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R1004	DELETED		
R335	1-216-025-00	METAL GLAZE 100 5%	1/10W	R1005	DELETED		
R336	1-216-025-00	METAL GLAZE 100 5%	1/10W	R1006	DELETED		
R337	1-216-025-00	METAL GLAZE 100 5%	1/10W	R1009	DELETED		
R338	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W	R1010	DELETED		
R340	1-216-238-91	METAL GLAZE 47K 5%	1/8W	R1011	DELETED		
R342	1-216-186-00	METAL GLAZE 330 5%	1/8W	R1012	DELETED		
R349	1-216-101-00	METAL GLAZE 150K 5%	1/10W (KV-21X1B)	R1013	DELETED		
				R1014	DELETED		
				R1015	DELETED		
				R1016	DELETED		
				R1017	DELETED		

The components identified by shading and marked  are critical for safety. Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifique.

A C H1 H2 H3

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1019	DELETED					H1 BOARD, COMPLETE	
R1020	DELETED					*****	
R1021	DELETED						
R1022	DELETED						
R1023	DELETED					< CAPACITOR >	
				C900	1-102-114-00	CERAMIC 470PF	10% 50V
R1024	DELETED			C901	1-102-114-00	CERAMIC 470PF	10% 50V
R1025	DELETED			C902	DELETED		
R1026	DELETED			C903	DELETED		
R1027	DELETED			C910	1-130-489-00	FILM 0.033MF	5% 50V
R1028	DELETED						
				C911	1-130-489-00	FILM 0.033MF	5% 50V
R1029	DELETED					< CONNECTOR >	
R1030	DELETED						
R1031	DELETED			CN902	DELETED		
R1032	DELETED					< DIODE >	
R1033	DELETED						
				D908	8-719-109-89	TRANSISTOR RD5.6KSB2	
R1034	DELETED					< JACK >	
R1035	DELETED						
R1036	DELETED			J902	1-568-678-11	TERMINAL BLOCK, 3P	
R1037	DELETED					< COIL >	
R1038	DELETED						
				L904	1-408-409-00	INDUCTOR 10UH	
R1039	DELETED					< RESISTOR >	
R1040	DELETED						
R1041	DELETED			R904	1-535-303-00	LEAD, JUMPER (5.0MM)	
R1042	DELETED			R905	1-535-303-00	LEAD, JUMPER (5.0MM)	
R1043	DELETED					*****	
						H2 BOARD, COMPLETE	
R1204	1-216-222-00	METAL GLAZE	10K 5% 1/8W			*****	
R1205	1-216-222-00	METAL GLAZE	10K 5% 1/8W				
		< TUNER >					
TU101	1-693-338-11	TUNER/VIF (AEP)	(KV-21X1U)				

		C BOARD, COMPLETE					
		*****				< CONNECTOR >	
				CN907	*1-564-519-11	PIN, CONNECTOR 4P	
		< CAPACITOR >				< IC >	
C701	1-102-115-00	CERAMIC	560PF 10% 50V				
C702	1-102-115-00	CERAMIC	560PF 10% 50V	IC900	8-742-014-11	RECEIVER HIC SBX1981-51	
C703	1-102-115-00	CERAMIC	560PF 10% 50V			< RESISTOR >	
		< CRT SOCKET >					
J701	1-526-990-21	SOCKET, CRT		R901	1-249-408-11	CARBON 180 5% 1/4W	

		< RESISTOR >					
R700	1-260-087-81	CARBON	100 5% 1/2W			H3 BOARD, COMPLETE	
			(KV-21X1A/21X1B/21X1E)			*****	
	1-202-549-00	SOLID	100 20% 1/2W			< CONNECTOR >	
			(KV-21X1D/21X1K/21X1L/21X1R/21X1U)				
R724	1-260-117-11	CARBON	33K 5% 1/2W	CN908	*1-564-518-11	PIN, CONNECTOR 3P	
			(KV-21X1A/21X1B/21X1E)			*****	
R725	1-260-131-11	CARBON	470K 5% 1/2W				
			(KV-21X1A/21X1B/21X1E)				
R729	1-216-350-11	METAL OXIDE	1.2 5% 1W F				

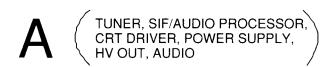
The components identified by shading and marked △ are critical for safety.
Replace only with the part number specified.

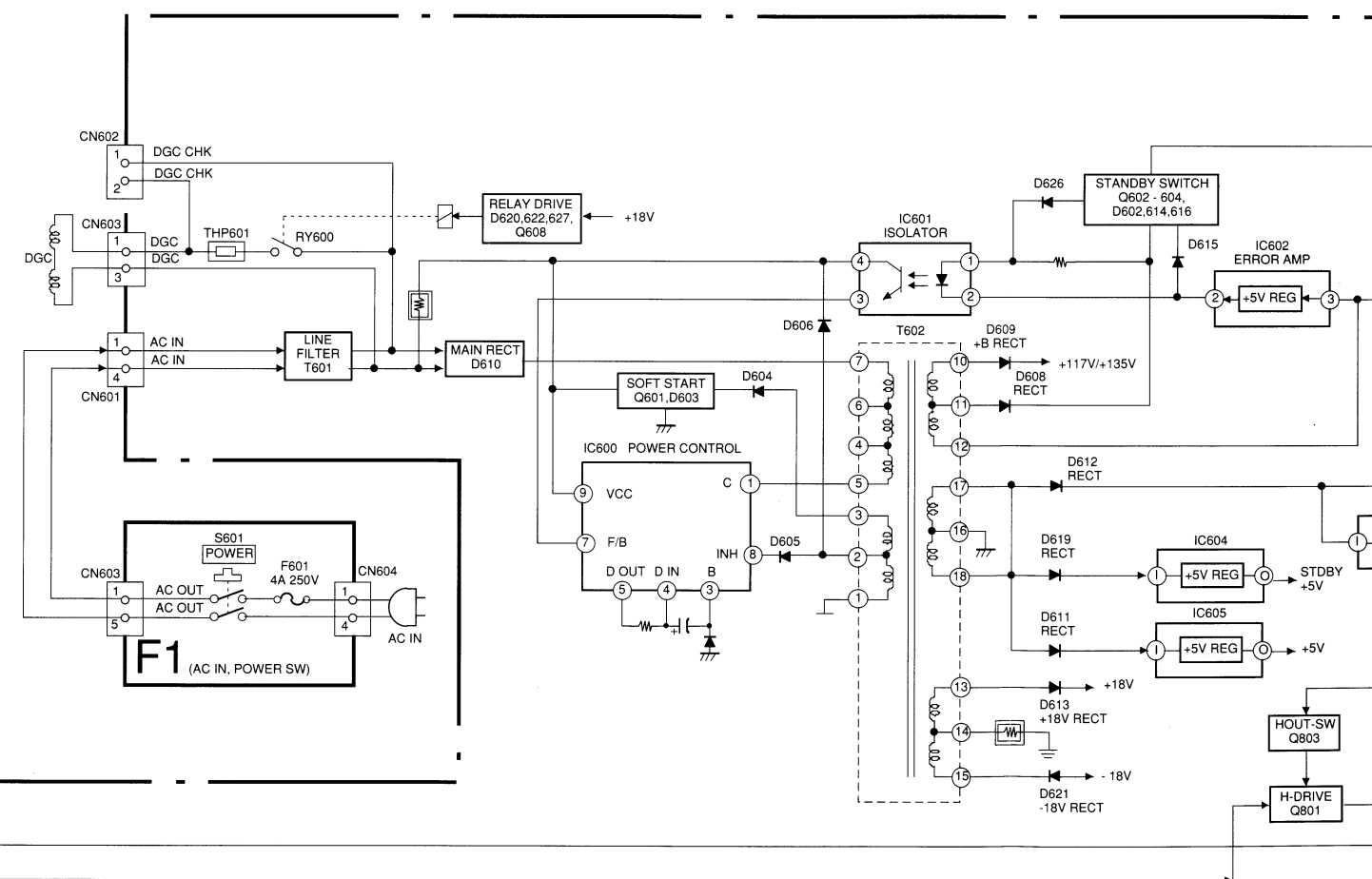
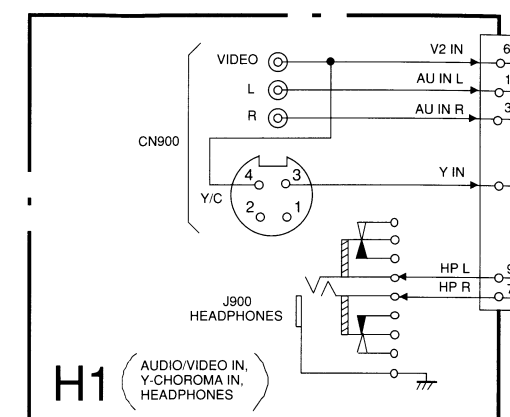
Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

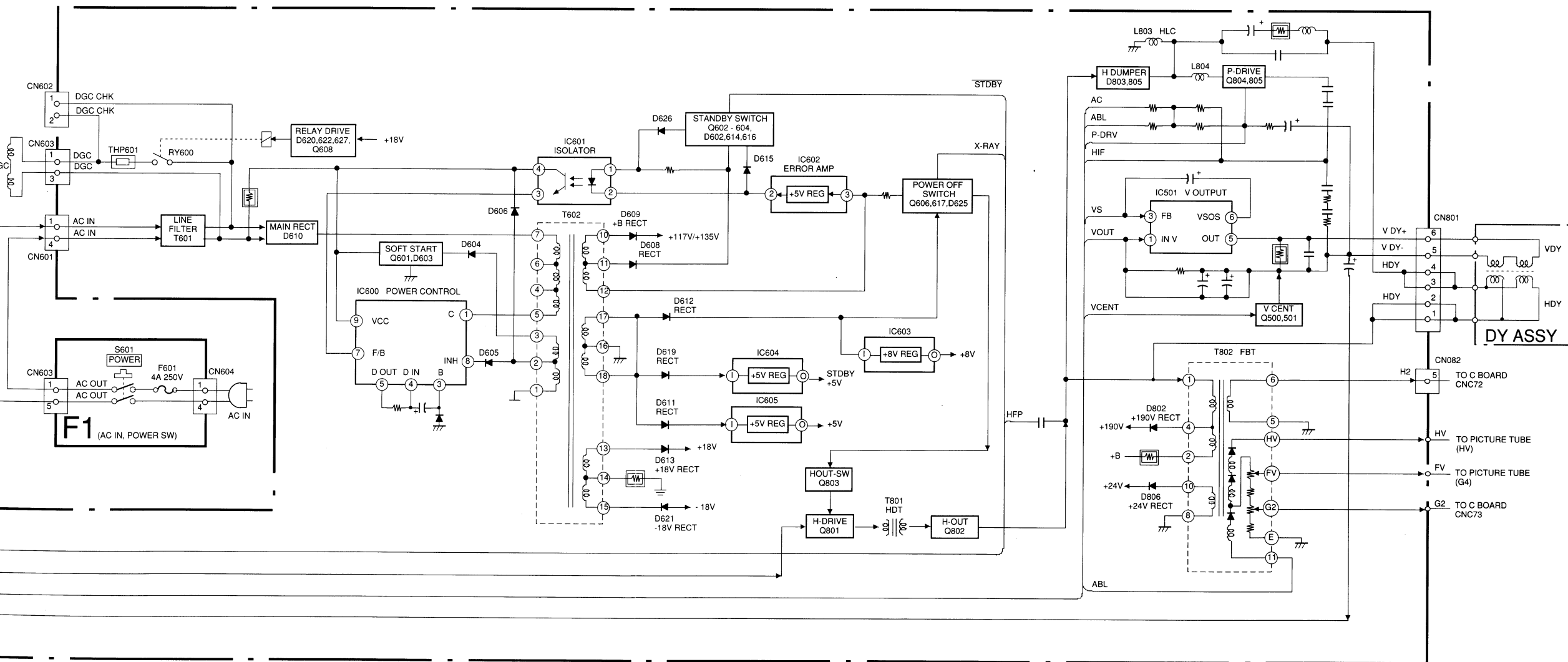
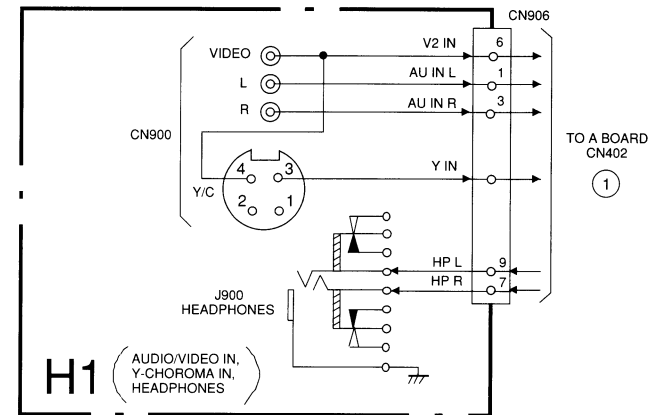
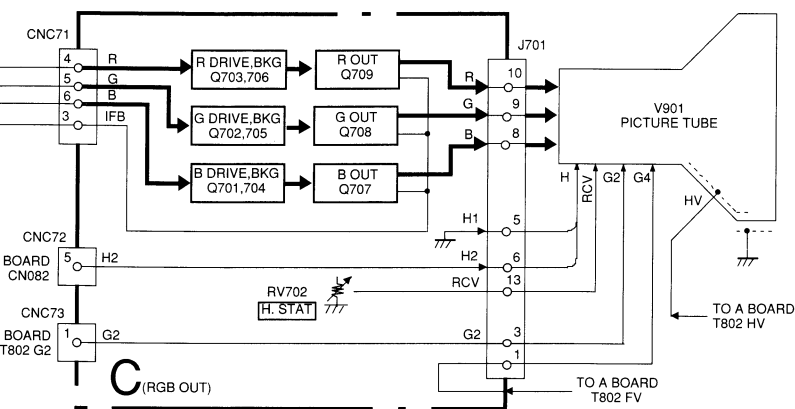
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
MISCELLANEOUS *****							
	△ 1-411-922-11	COIL, DEGAUSSING (KV-21X1A/21X1B/21X1E)					
	1-544-727-21	SPEAKER (7.5X13C)					
	△ 1-765-286-11	CORD, POWER (KV-21X1B)					
	1-776-204-11	CORD, POWER (WITH PLUG) 2.5A/250V (KV-21X1L/21X1U)					
	1-693-340-11	TUNER (TUVIF) (KV-21X1U)					

ACCESSORIES AND PACKING MATERIALS *****							
	*4-044-002-11	CUSHION (UPPER) (ASSY) (KV-21X1A/21X1B/21X1E)					
	*4-044-003-11	CUSHION (LOWER) (ASSY) (KV-21X1A/21X1B/21X1E)					
	*4-044-004-11	INDIVIDUAL CARTON (KV-21X1A/21X1B/21X1E)					
	4-203-591-11	MANUAL, INSTRUCTION (KV-21X1D) (GERMAN/ENGLISH/DUTCH/ITALIAN/FRENCH/ GREEK/TURKISH)					
	4-203-592-81	MANUAL, INSTRUCTION (KV-21X1E) (PORTUGUESE)					
	4-203-656-92	MANUAL, INSTRUCTION (KV-21X1R) (ENGLISH/RUSSIAN/BULGARIAN)					

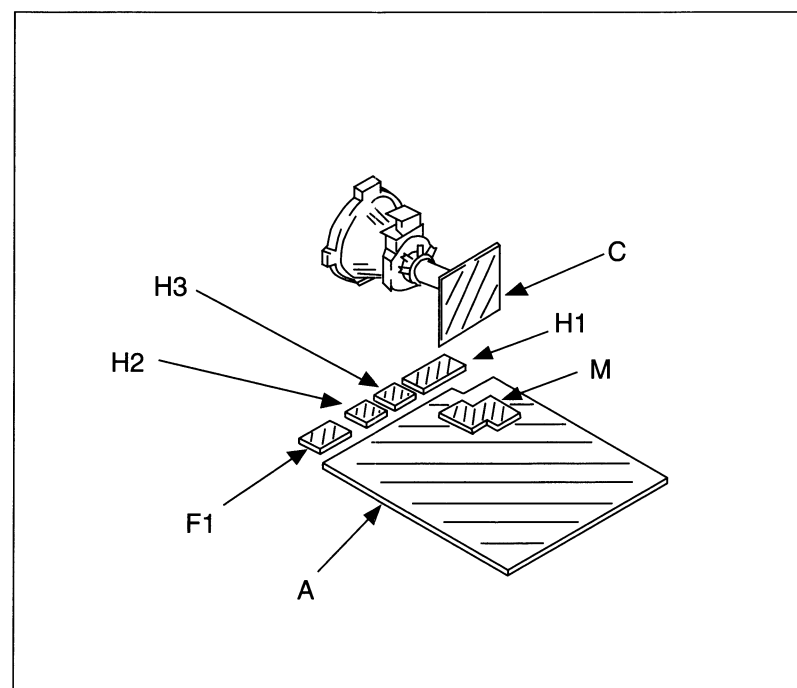
5-1. BLOCK DIAGRAM







5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
 $k = 1000$, $M = 1000K$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm

Rating electrical power $\frac{1}{4}$ W

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- \perp : earth - ground.
- /// : earth - chassis.
- $\#$: no mounted.

Note : The components identified by shading and marked \uparrow are critical for safety. Replace only with the part number specified.

Note : Les composants identifiés par une trame et une marque \uparrow sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Reference information

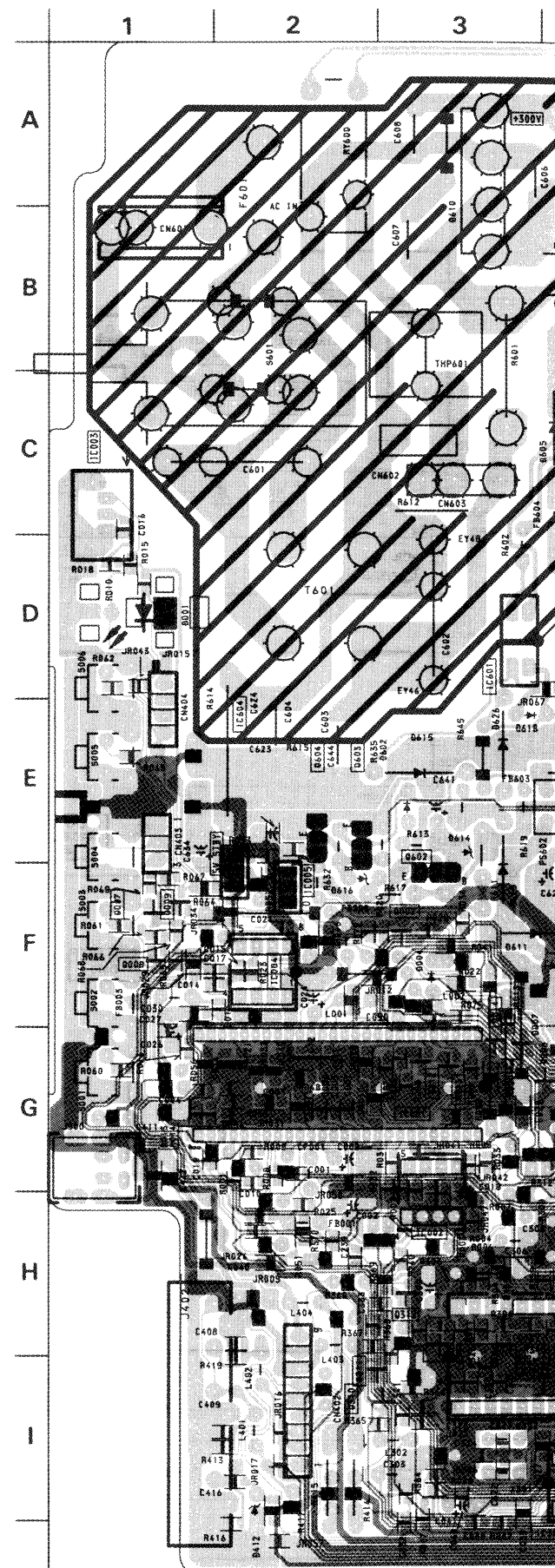
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: \otimes	ADJUSTABLE RESISTOR
	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
COIL	: PS	STYROL
	: PP	POLYPROPYLENE
CAPACITOR	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

- Readings are taken with a colour-bar signal input.
- Readings are taken with 10M digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)

A BOARD

IC		DIODE	
IC003	C-1	D002	F-11
IC004	F-2	D003	G-5
IC005	F-2	D004	F-3
IC200	H-10	D005	G-4
IC201	G-11	D006	G-4
IC301	I-4	D007	G-3
IC302	J-4	D009	I-7
IC401	J-6	D011	E-8
IC501	D-9	D015	H-6
IC600	C-5	D201	H-11
IC601	D-3	D301	H-4
IC602	E-6	D302	H-5
IC603	F-6	D307	F-8
IC604	E-2	D308	F-9
IC605	G-5	D401	H-12
IC1200	G-7	D402	H-12
		D403	H-13
		D404	H-12
		D405	G-12
		D406	G-3
		D407	G-12
		D408	I-12
		D409	I-12
		D410	I-12
		D412	J-2
		D415	H-12
		D416	I-10
		D417	I-10
		D501	C-8
		D602	E-3
		D603	B-4
		D604	C-4
		D605	C-5
		D606	C-4
		D607	C-4
		D608	E-5
		D609	E-6
		D610	A-3
		D611	F-3
		D612	F-4
		D613	E-5
		D614	F-3
		D615	E-3
		D616	F-2
		D617	E-7
		D619	F-3
		D620	A-7
		D621	E-4
		D622	A-7
		D625	F-7
		D626	E-3
		D627	A-6
		D801	B-9
		D802	A-10
		D803	F-8
		D805	D-10
		D806	A-12
		D807	C-7
		D809	A-11
		D1200	I-7
TRANSISTOR			
Q002	F-3		
Q006	F-10		
Q007	F-1		
Q008	F-1		
Q009	F-1		
Q011	G-9		
Q012	G-3		
Q013	G-3		
Q014	G-3		
Q015	I-7		
Q107	G-10		
Q110	F-11		
Q118	G-12		
Q200	H-7		
Q201	G-10		
Q202	G-10		
Q204	H-11		
Q205	G-11		
Q207	J-9		
Q208	J-9		
Q209	J-10		
Q210	J-9		
Q300	H-4		
Q301	I-5		
Q302	I-5		
Q303	I-5		
Q304	I-5		
Q305	H-5		
Q306	H-5		
Q307	F-8		
Q310	I-2		
Q311	I-2		
Q312	H-3		
Q402	G-13		
Q403	H-12		
Q404	H-12		
Q405	G-12		
Q406	G-12		
Q407	H-12		
Q408	G-12		
Q500	E-12		
Q501	E-12		
Q601	C-4		
Q602	F-3		
Q603	E-2		
Q604	E-2		
Q606	F-6		
Q608	A-6		
Q617	E-7		
Q801	C-7		
Q802	C-9		
Q803	F-8		
Q804	B-7		
Q805	B-8		
Q1200	I-7		
Q1201	H-7		

A Board



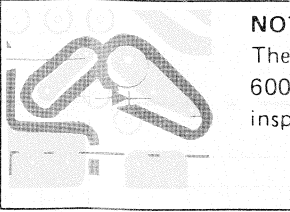
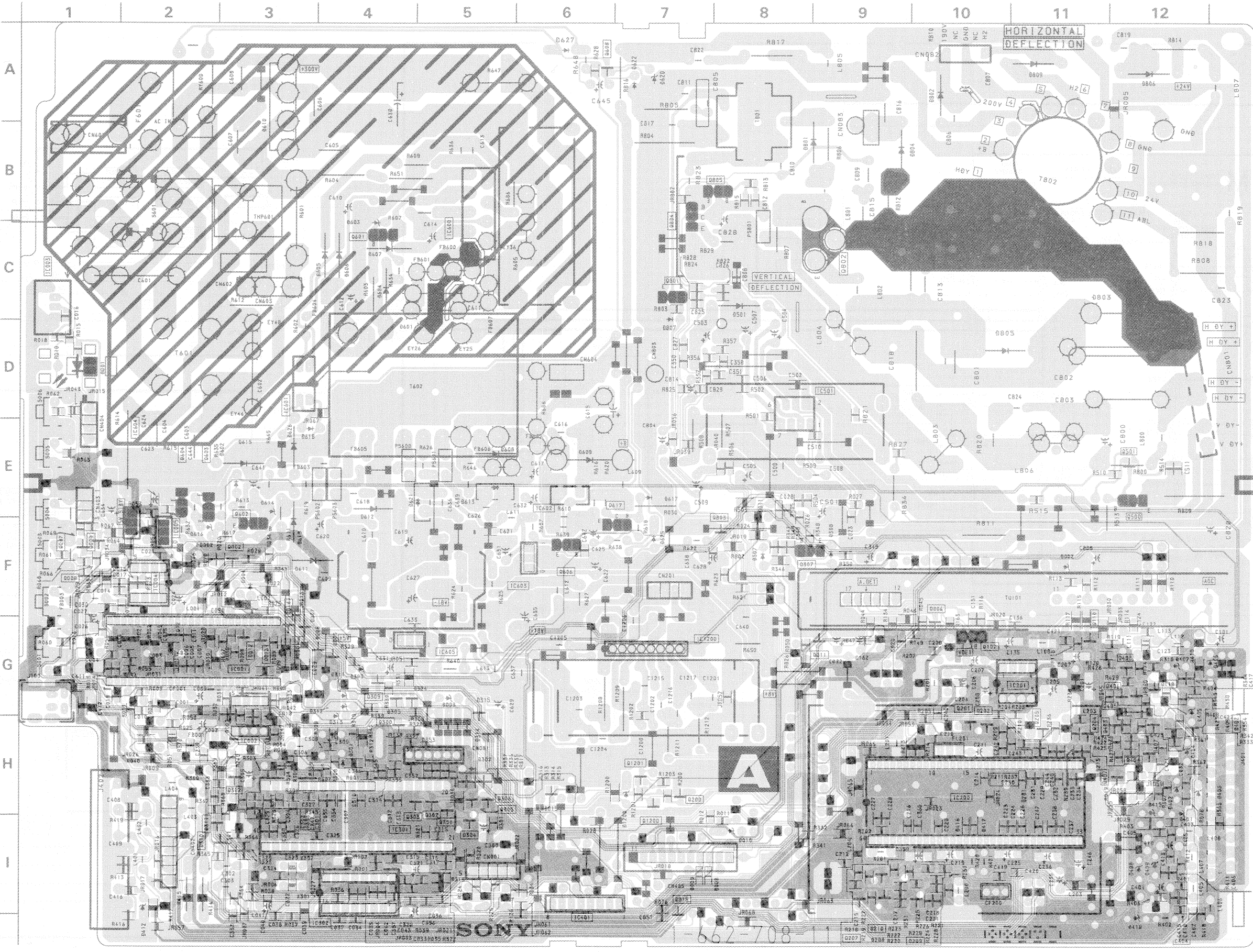


TUNER, SIF/AUDIO PROCESSOR,
RGB DECODER, SYSTEM CONTROL,
POWER SUPPLY, HV OUT, AUDIO

A Board

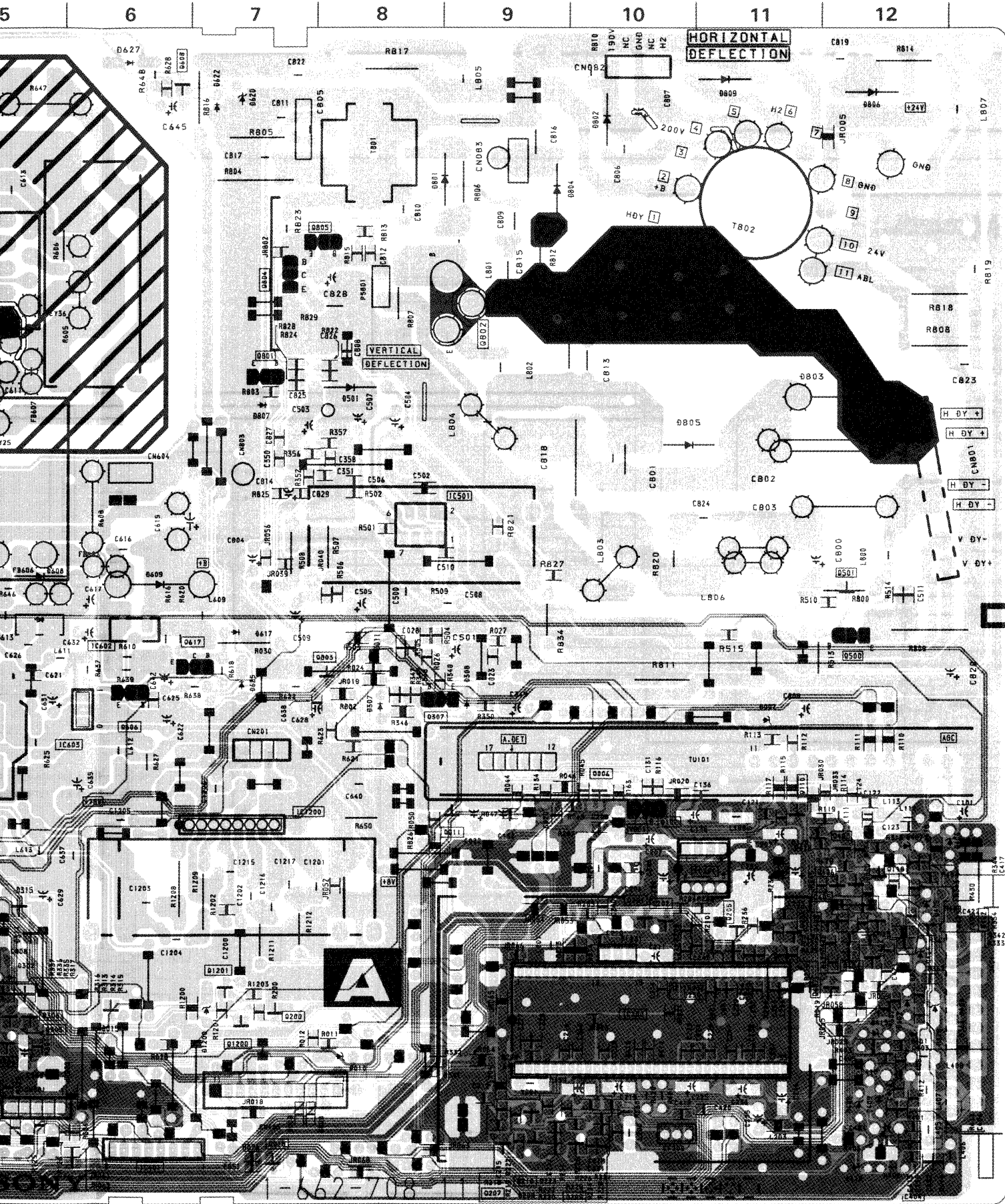
BOARD

IC		DIODE	
IC003	C-1	D002	F-11
IC004	F-2	D003	G-5
IC005	F-2	D004	F-3
IC200	H-10	D005	G-4
IC201	G-11	D006	G-4
IC301	I-4	D007	G-3
IC302	J-4	D009	I-7
IC401	J-6	D011	E-8
IC501	D-9	D015	H-6
IC600	C-5	D201	H-11
IC601	D-3	D301	H-4
IC602	E-6	D302	H-5
IC603	F-6	D307	F-8
IC604	E-2	D308	F-9
IC605	G-5	D401	H-12
IC1200	G-7	D402	H-12
		D403	H-13
		D404	H-12
		D405	G-12
		D406	G-3
		D407	G-12
		D408	I-12
		D409	I-12
		D410	I-12
		D412	J-2
		D415	H-12
		D416	I-10
		D417	I-10
		D501	C-8
		D602	E-3
		D603	B-4
		D604	C-4
		D605	C-5
		D606	C-4
		D607	C-4
		D608	E-5
		D609	E-6
		D610	A-3
		D611	F-3
		D612	F-4
		D613	E-5
		D614	F-3
		D615	E-3
		D616	F-2
		D617	E-7
		D619	F-3
		D620	A-7
		D621	E-4
		D622	A-7
		D625	F-7
		D626	E-3
		D627	A-6
		D801	B-9
		D802	A-10
		D803	F-8
		D805	D-10
		D806	A-12
		D807	C-7
		D809	A-11
		D1200	I-7
TRANSISTOR			
Q002	F-3		
Q006	F-10		
Q007	F-1		
Q008	F-1		
Q009	F-1		
Q011	G-9		
Q012	G-3		
Q013	G-3		
Q014	G-3		
Q015	I-7		
Q107	G-10		
Q110	F-11		
Q118	G-12		
Q200	H-7		
Q201	G-10		
Q202	G-10		
Q204	H-11		
Q205	G-11		
Q207	J-9		
Q208	J-9		
Q209	J-10		
Q210	J-9		
Q300	H-4		
Q301	I-5		
Q302	I-5		
Q303	I-5		
Q304	I-5		
Q305	H-5		
Q306	H-5		
Q307	F-8		
Q310	I-2		
Q311	I-2		
Q312	H-3		
Q402	G-13		
Q403	H-12		
Q404	H-12		
Q405	G-12		
Q406	G-12		
Q407	H-12		
Q408	G-12		
Q500	E-12		
Q501	E-12		
Q601	C-4		
Q602	F-3		
Q603	E-2		
Q604	E-2		
Q606	F-6		
Q608	A-6		
Q617	E-7		
Q801	C-7		
Q802	C-9		
Q803	F-8		
Q804	B-7		
Q805	B-8		
Q1200	I-7		
Q1201	H-7		



A BOARD * MARK

Model	21X1A	
Ref. No		
C215	—	
C349	—	
IC200	MSP3400C-PP-C6	M
R332	68K	
R357	68K	
TU101	TUVIF (AEP)	



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

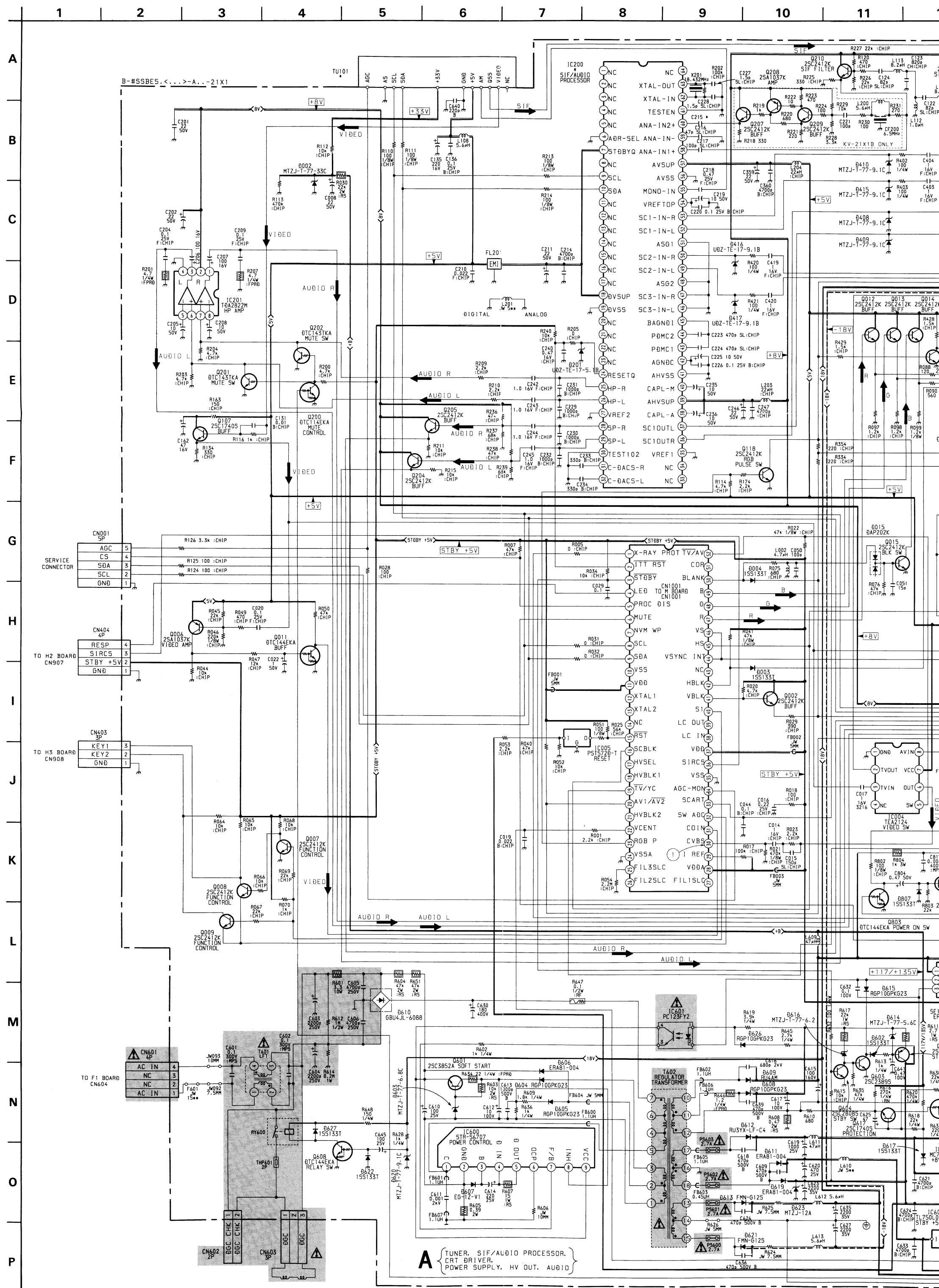
A BOARD TRANSISTOR TABLE

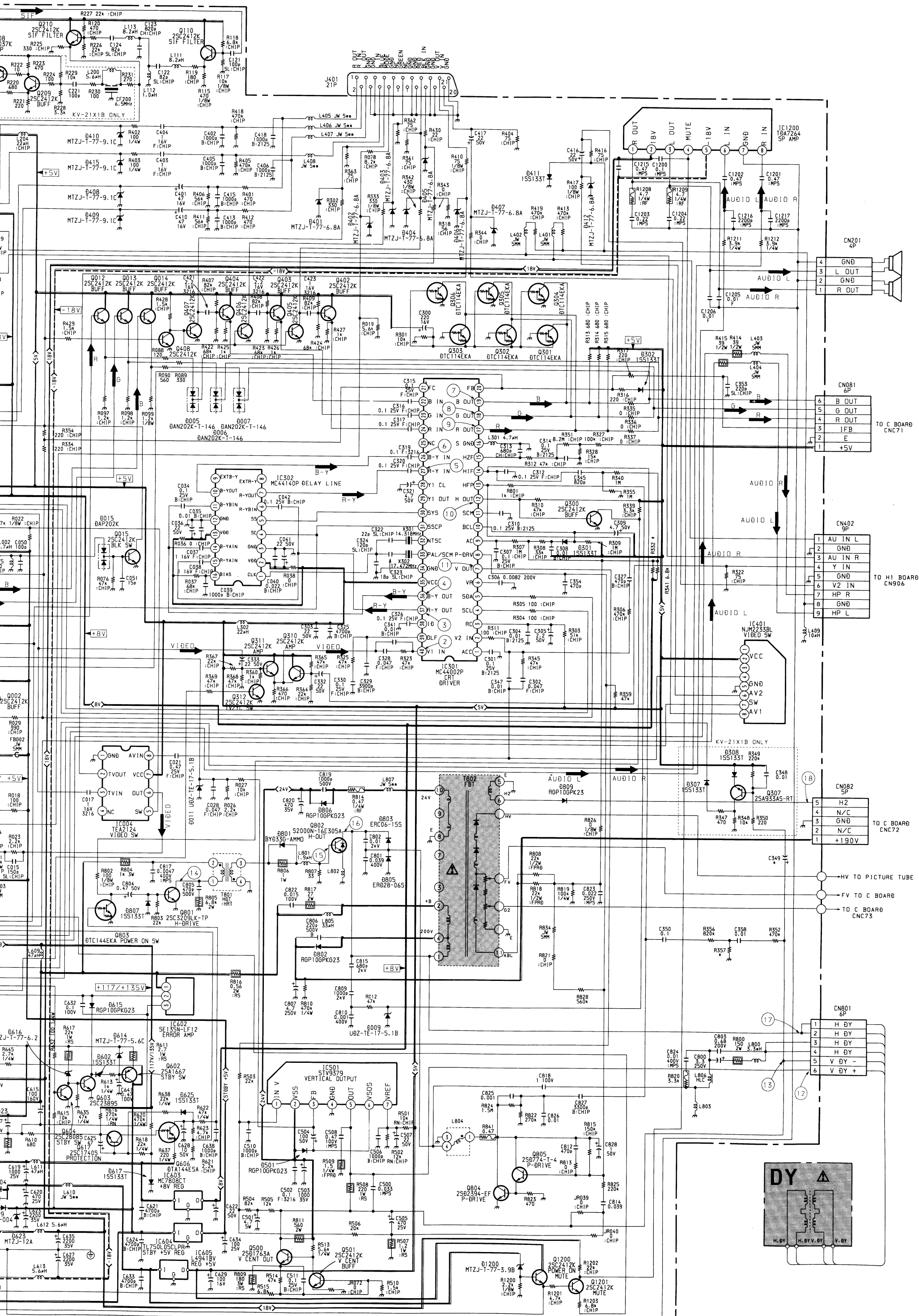
Transistor Voltage Table			
Ref No	B Base	C Collector	E Emitter
Q002	-	5.0	-
Q006	4.6	0.7	4.8
Q007	-	5.0	0
Q008	5.0	5.0	4.5
Q009	0.1	5.0	4.5
Q011	0.6	5.0	0
Q012	-	5.0	-
Q013	-	5.0	-
Q014	-	5.0	-
Q110	4.6	8.0	4.0
Q118	-	-	0
Q201	-	-	0
Q202	-	-	0
Q204	4.7	8.0	4.0
Q205	4.6	8.0	4.0
Q210	3.5	8.0	2.9
Q300	0.3	0.6	0
Q301	0	2.0	0
Q302	0	2.1	0
Q303	0	2.2	0
Q304	0	2.0	0
Q305	0	2.1	0
Q306	0	2.2	0
Q310	1.7	5.0	3.0
Q311	3.6	5.0	3.0
Q312	-0.2	-	0
Q403	-	-	-
Q404	-	-	-
Q500	5.4	19.7	4.8
Q501	0.6	5.4	0
Q601	-0.3	-2.2	-2.6
Q602	68.0	8.0	68.4
Q603	0	67.7	0
Q604	0.6	0	0
Q608	-	15.8	0
Q801	0	120	0
Q802	-0.2	120	0
Q803	0.1	0.6	0
Q804	0.5	16.0	-
Q805	1.0	16.0	0.5
Q1201	3.5	7.0	2.8

IC Voltage Table					
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
IC004	2	2.0	IC302	1	1.6
	3	2.2		2	4.7
	6	1.9		4	1.3
	7	5.0		6-7	1.4
	8	1.8		8	0.2
IC200	7	4.8		10-11	1.4
	9	3.1		13	4.7
	10	3.1		14-15	1.1
	18	4.8		16	1.6
	24	4.5	IC401	4	2.1
	31-32	3.8		6	3.0
	36-37	3.8		7	2.7
	38	7.0		8	3.0
	39	8.0	IC501	2	28.3
	40	7.0		3	1.4
	42-45	3.8		5	20.0
	49-50	3.8		6	28.6
	52-53	3.8		7	2.6
	54	2.6	IC1200	2	15.8
	55	3.8		4	7.0
	57	4.8		5	-16.0
IC201	58-59	1.5	IC301	1	3.5
	62-63	2.4		2	8.0
	1	3.5		3	3.5
	2	8.0		5	0.5
	3	3.5		8	0.5
	5	0.5		1	1.6
	8	0.5		2	0.8
	1	1.6		3	1.3
IC301	2	0.8		4-5	3.3
	3	1.3		6	0.9
	4-5	3.3		7	1.5
	6	0.9		8	1.0
	7	1.5		9	1.3
	8	1.0		10	2.3
	9	1.3		11	1.6
	10	2.3		12	0.3
	11	1.6		13	0.4
	12	0.3		14	1.0
	13	0.4		15	2.1
	14	1.0		17-19	2.4
	15	2.1		20	3.1
	17-19	2.4		22-23	3.0
	20	3.1		24	2.9
	22-23	3.0		26-27	3.1
	24	2.9		28	1.0
	26-27	3.1		31	1.3
	28	1.0		32-33	1.8
	31	1.3		35	4.7
	32-33	1.8		36	2.5
	35	4.7		37	2.4
	36	2.5		38	0.8
	37	2.4		39	3.0
	38	0.8		40	2.8
	39	3.0			
	40	2.8			

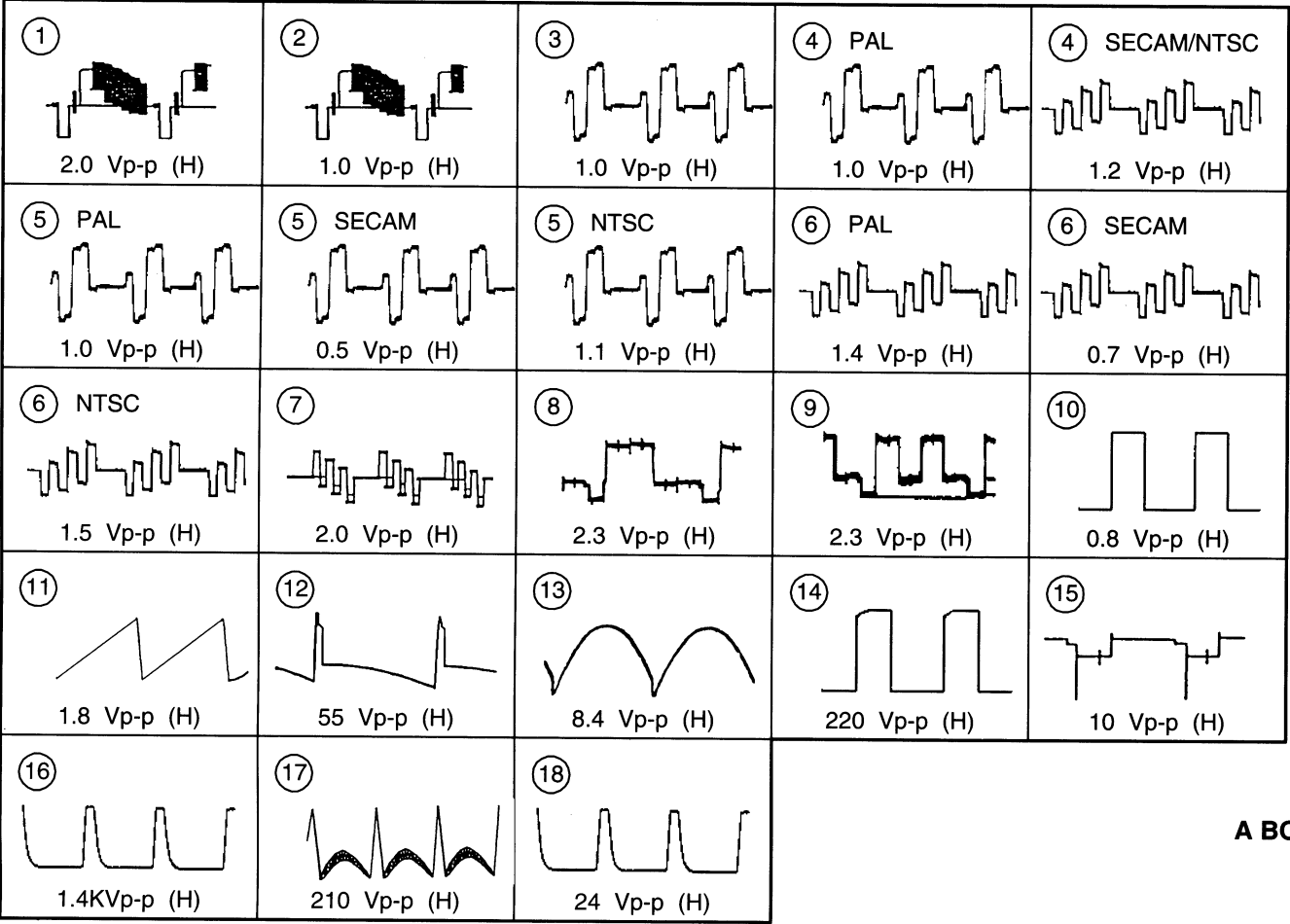
A BOARD * MARK

Model	21X1A	21X1B	21X1D	21X1E	21X1K	21X1L	21X1R	21X1U
Ref. No								
C215	—	100PF	—	—	—	—	—	—
C349	—	22UF/50V	—	—	—	—	—	—
IC200	MSP3400C-PP-C6	MSP3410B-PP-F7	MSP3400C-PP-C6	MSP3410B-PP-F7	MSP3400C-PP-C6	MSP3410B-PP-F7	MSP3400C-PP-C6	MSP3410B-PP-F7
R332	68K	68K	47K	68K	47K	47K	47K	47K
R357	68K	68K	47K	68K	47K	47K	47K	47K
TU101	TUVIF (AEP)	TUVIF (FR)	TUVIF (AEP)	TUVIF (AEP)	TUVIF (AEP)	TUVIF (AEP)	TUVIF (AEP)	TUVIF (UK)

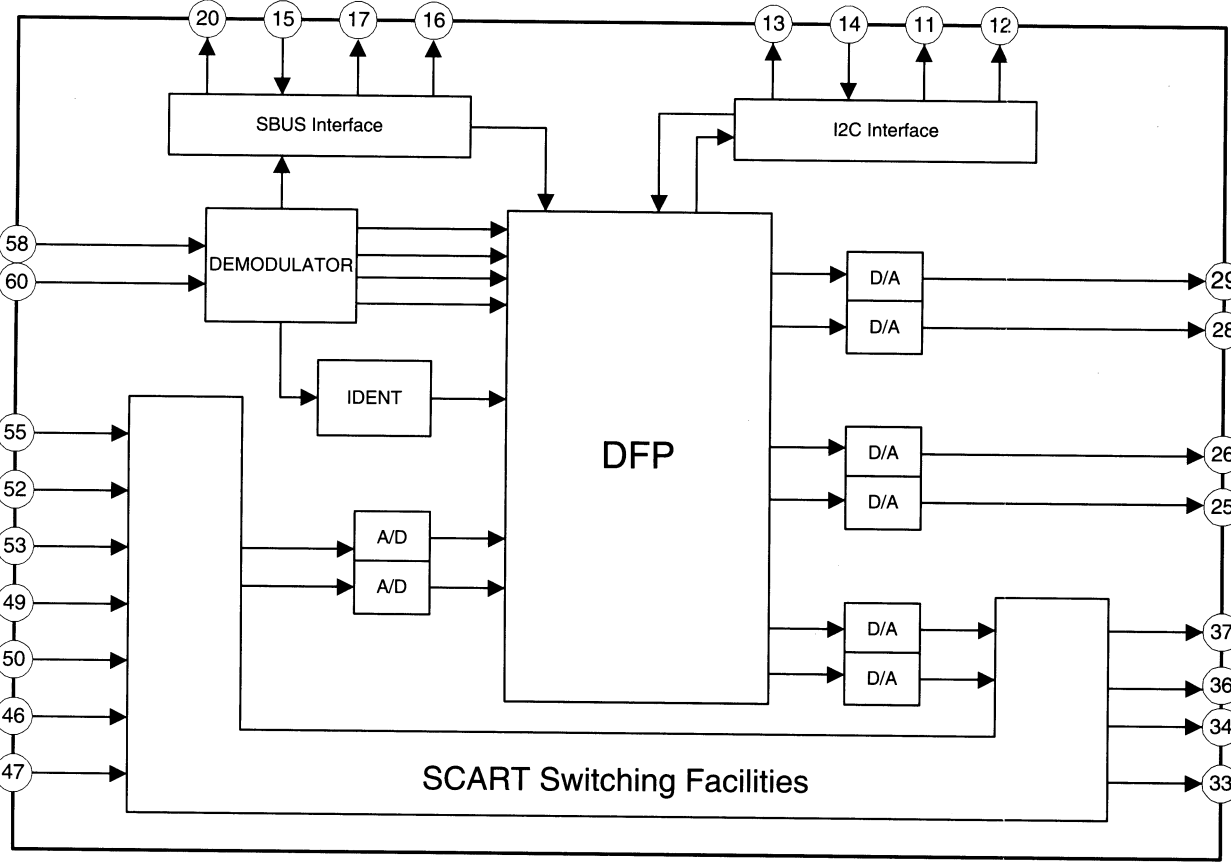




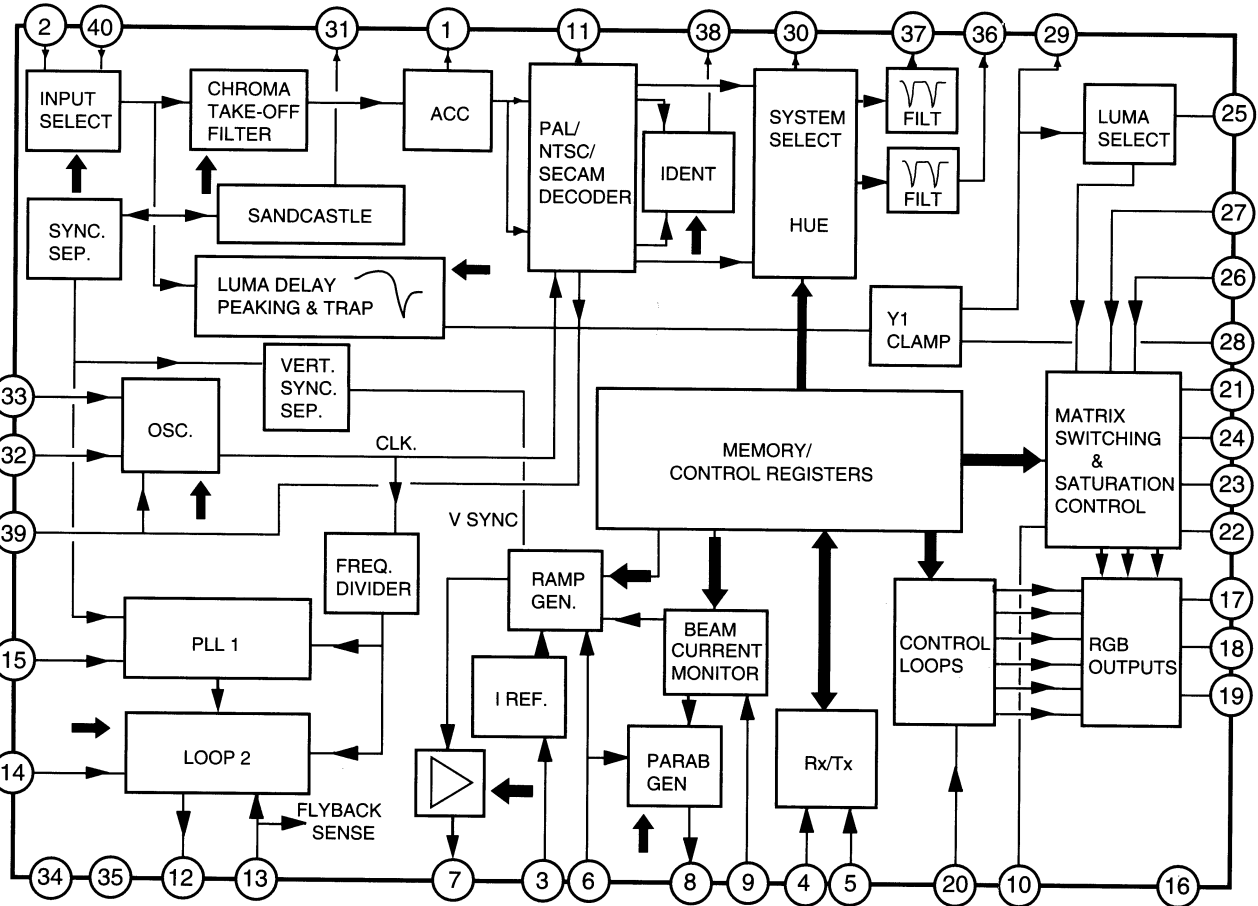
WAVEFORMS A BOARD



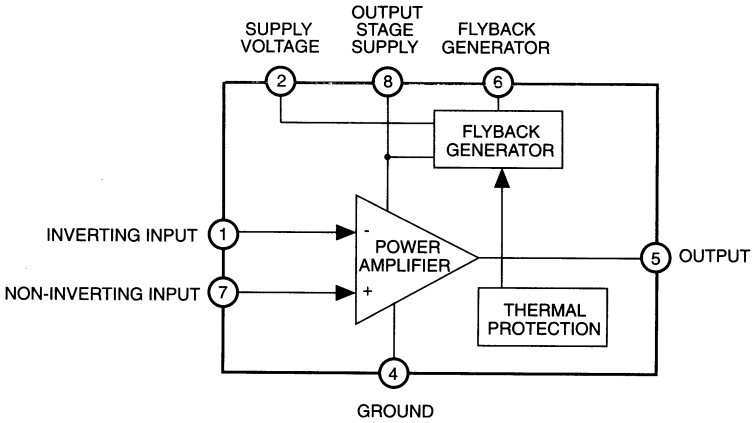
A BOARD IC200 MSP3400C-PP-C6/MSP3410B-PP-F7



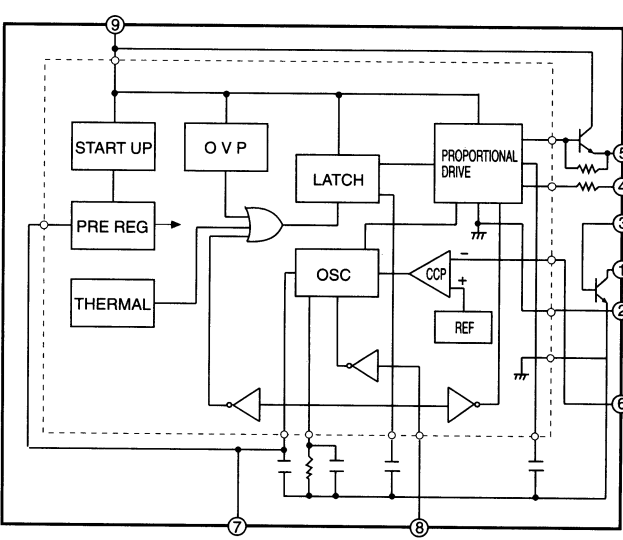
A BOARD IC301 MC44002P



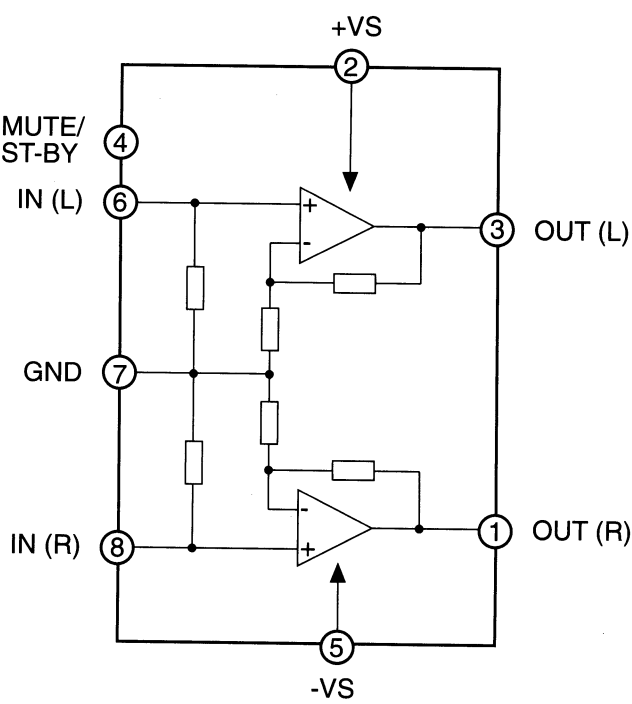
A BOARD IC501 STV9379

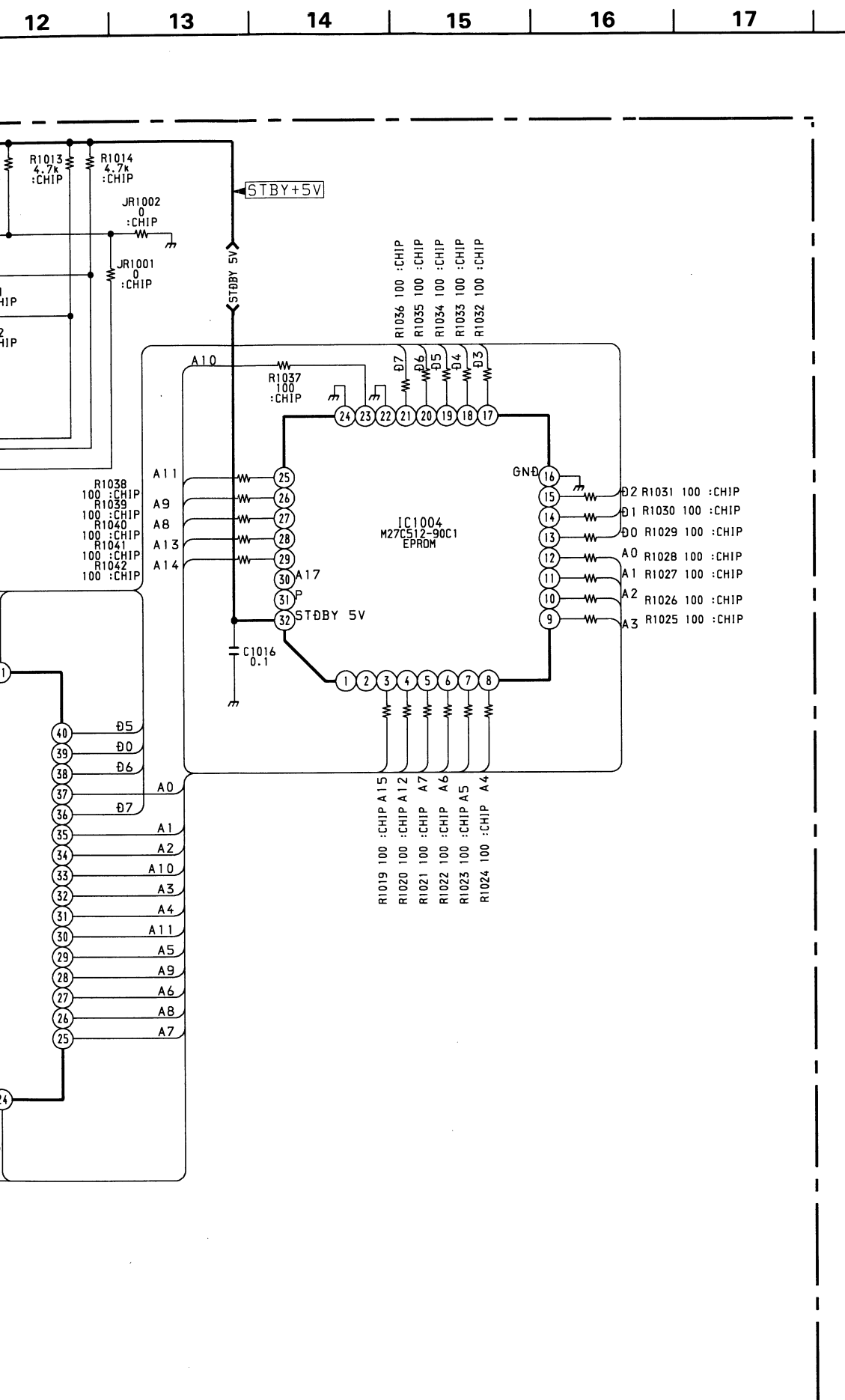


A BOARD IC600 STR-S6707



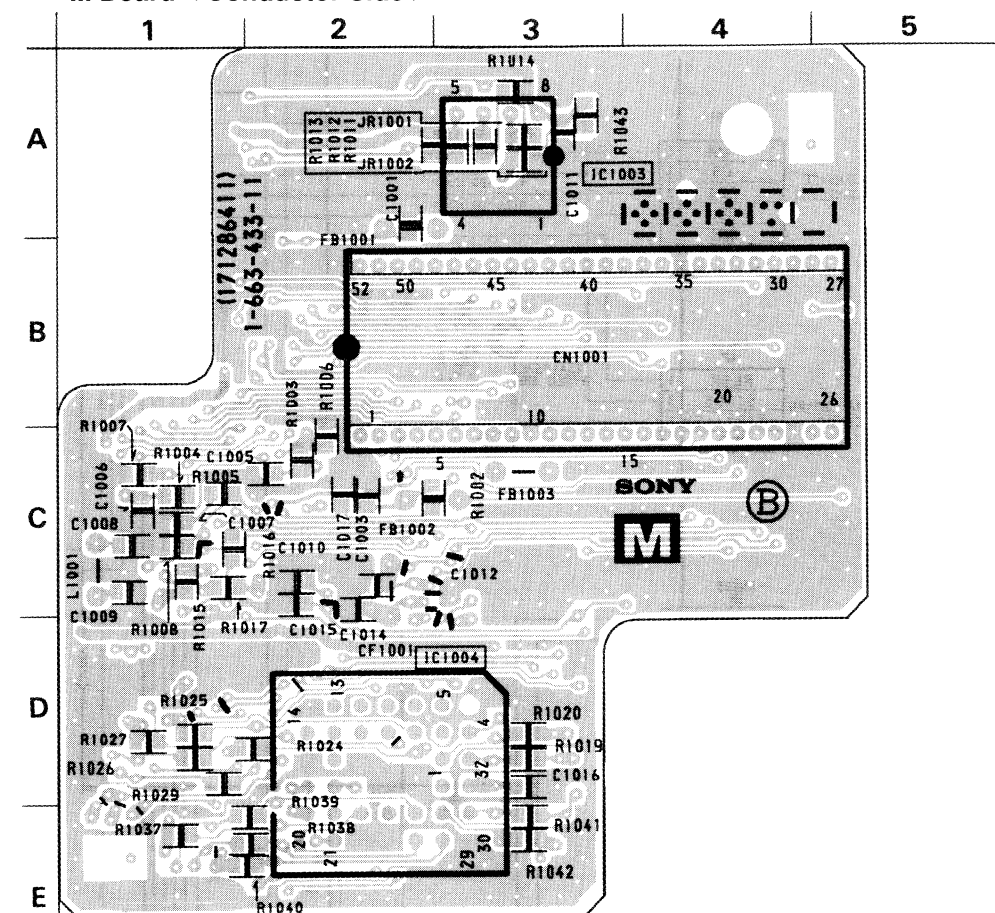
A BOARD IC1200 TDA7264



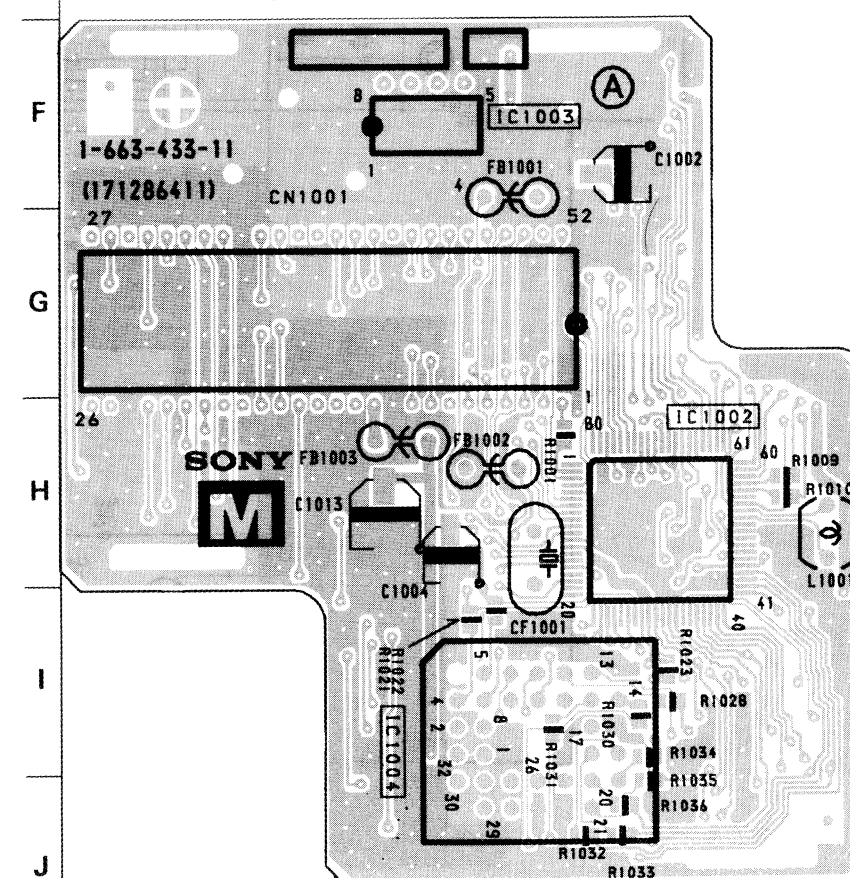


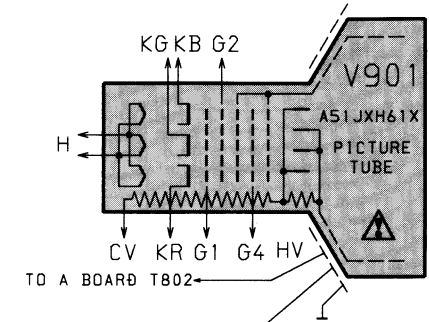
M RGB DECODER,
SYSTEM CONTROL

M Board < Conductor Side >



M Board < Component Side >

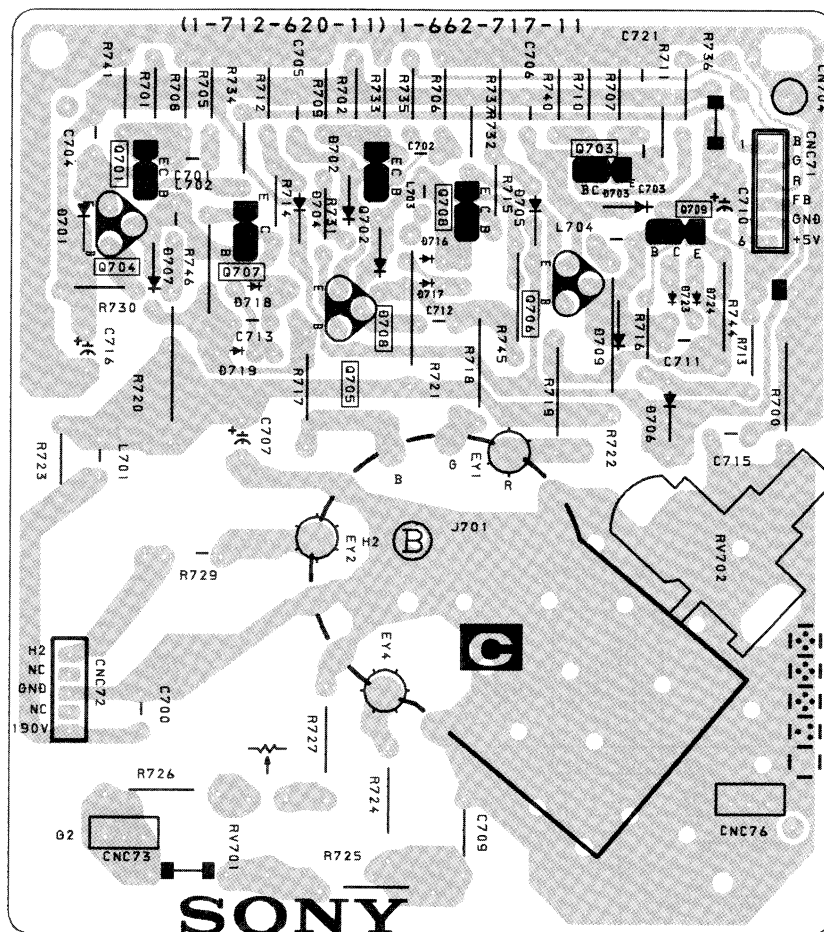




<p>①</p> <p>100 Vp-p (H)</p>	<p>②</p> <p>96 Vp-p (H)</p>
<p>③</p> <p>85 Vp-p (H)</p>	<p>④</p> <p>23 Vp-p (H)</p>

C

[R,G,B OUT]

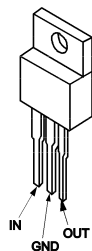
C Board

C BOARD
TRANSISTOR VOLTAGE TABLE

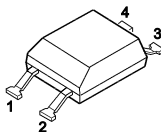
Transistor Voltage Table			
Ref No	B Base	C Collector	E Emitter
Q701	2.5	4.3	1.8
Q702	2.5	4.3	1.8
Q703	2.3	4.3	1.7
Q704	5.0	144.8	4.3
Q705	5.0	149.2	4.3
Q706	5.0	152.3	4.3
Q707	144.8	3.5	152.3
Q708	149.2	3.5	149.2
Q709	151.7	3.5	172.1

5-4. SEMICONDUCTORS

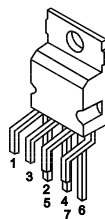
L4941BV
LM78080CT
MC7808CT
TEA7605
TL750L05CLPR



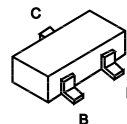
PC123F2
PC123FY2



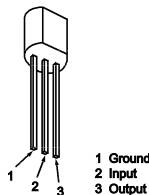
STV9379



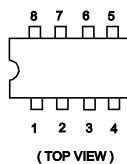
DTA144ESA
DTA144ESA-TP
DTC114EK
DTC114EKA-T146
DTC143TKA-T146
DTC144EKA-T146
2SA1037K-T-146-R
2SA1162-G
2SC2412K-QR
2SC2412K-T-146-R



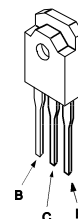
PST572D
PST572D-T



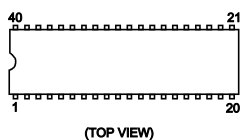
TDA2822M
TEA2124



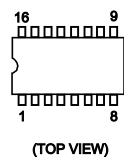
S2000N-16E305A



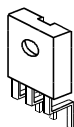
MC44002P



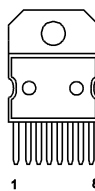
MC44140P



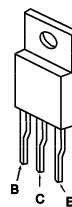
SBX1981-51



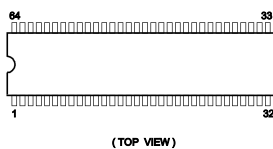
TDA7264



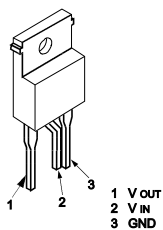
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2SC3852A
2SD2394-EF



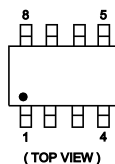
MSP3400C-PP-C6
MSP3410B-PP-F7



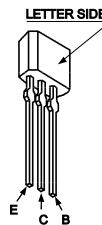
SE-135N
SE135N-LF12



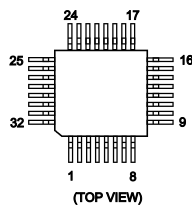
ST24W04FB6



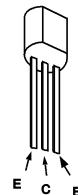
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2SA933AS-RT
2SC1740S-RT



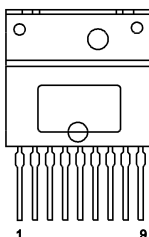
M27C512-90C1-BE5-1



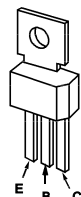
BF421-AMMO
2SA1091-O



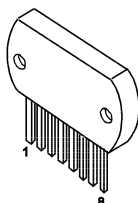
STR-S6707



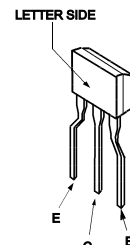
BF871-127



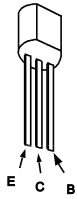
NJM2233BL



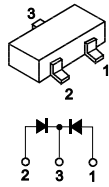
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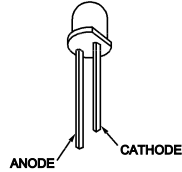
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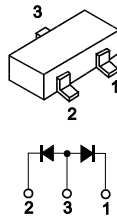
DAN202K
DAN202K-T-146



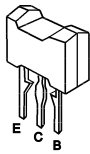
SEL1210S-CD
SEL1210S-D



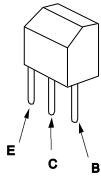
DAP202K
DAP202K-T-146



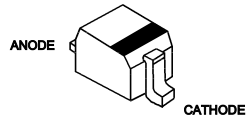
2SC2808STP-R



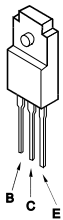
2SC3209LK
2SC3209LK-TP
2SD774-T-4
2SD774-34



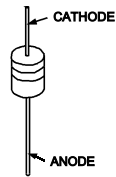
DTZ5.1B
DTZ9.1
RD5.6S-B
UDZ-TE-17-5.1B
UDZ-TE-17-5.6B
UDZ-TE-17-9.1B



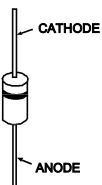
2SC4793
2SD1763A



ERA81-004TP1 MTZJ-T-77-9.1C
ERA83-006 MTZJ-12A
MTZJ-T-77-12A MTZJ-33C
MTZJ-T-77-33C RD3.9ES-B2
MTZJ-T-77-3.9B MTZJ-6.2B
MTZJ-T-77-5.1 RD5.1ES-B1
MTZJ-T-77-5.6C RD5.6ESB2
MTZJ-T-77-6.2 RD6.8ES-B2
MTZJ-T-77-6.8A RD9.1ES-B3
MTZJ-T-77-6.8C 1SS133T-77

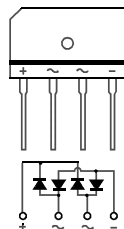


BYD33G
BYD33G-AMMO
EG-1Z-V1
EL1Z
ERC06-15S
ERD28-06S
ERD28-08S



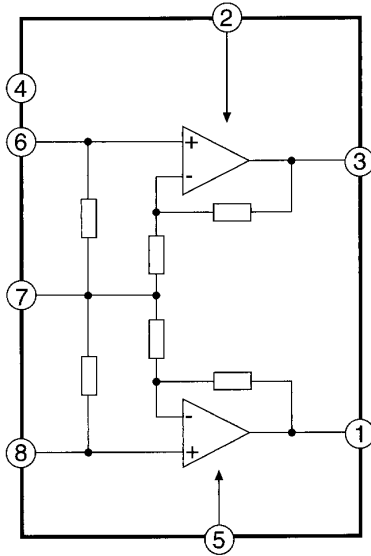
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RGP10GPKG23
RU3YX-LF-C4
RU-3YX-V1
RU4AM-T3
1SS292T-77

GBU4JL-6088

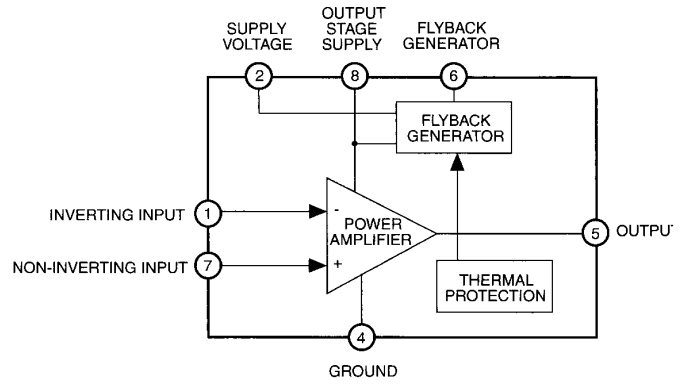


5-5. IC BLOCK DIAGRAMS

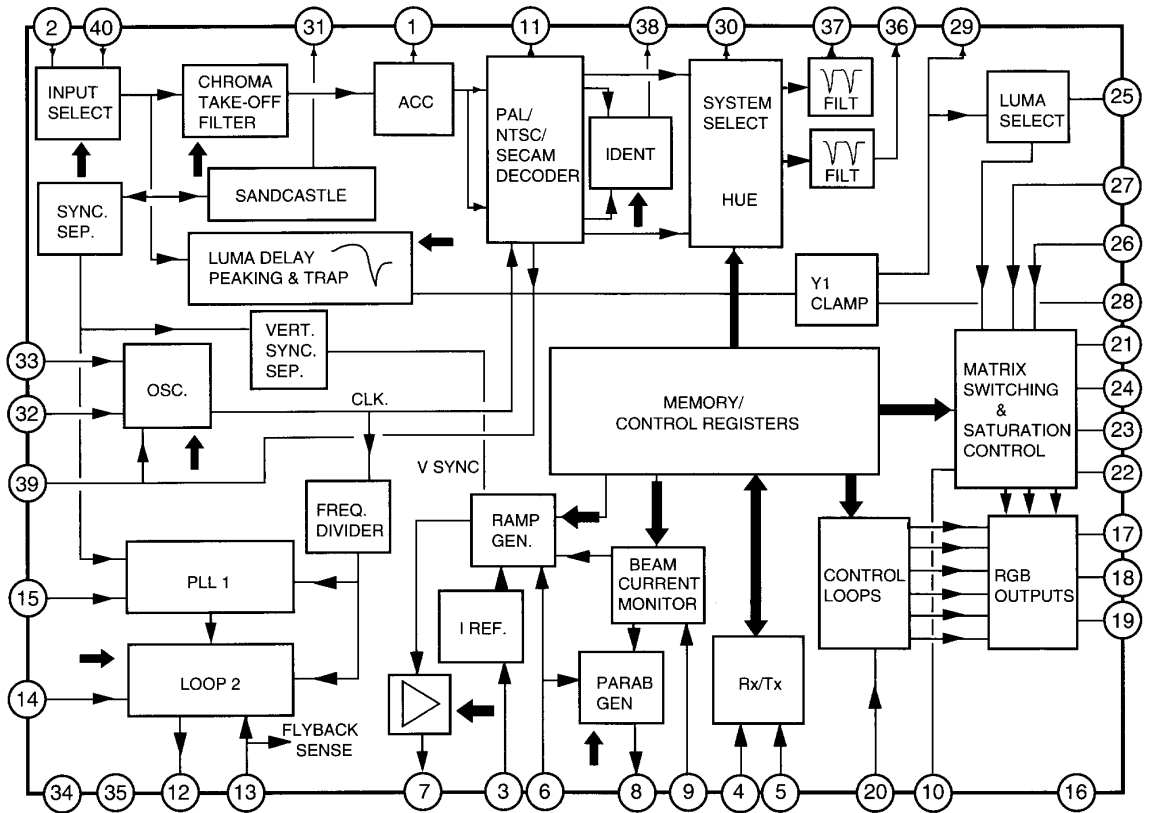
A Board IC1200 TDA7264



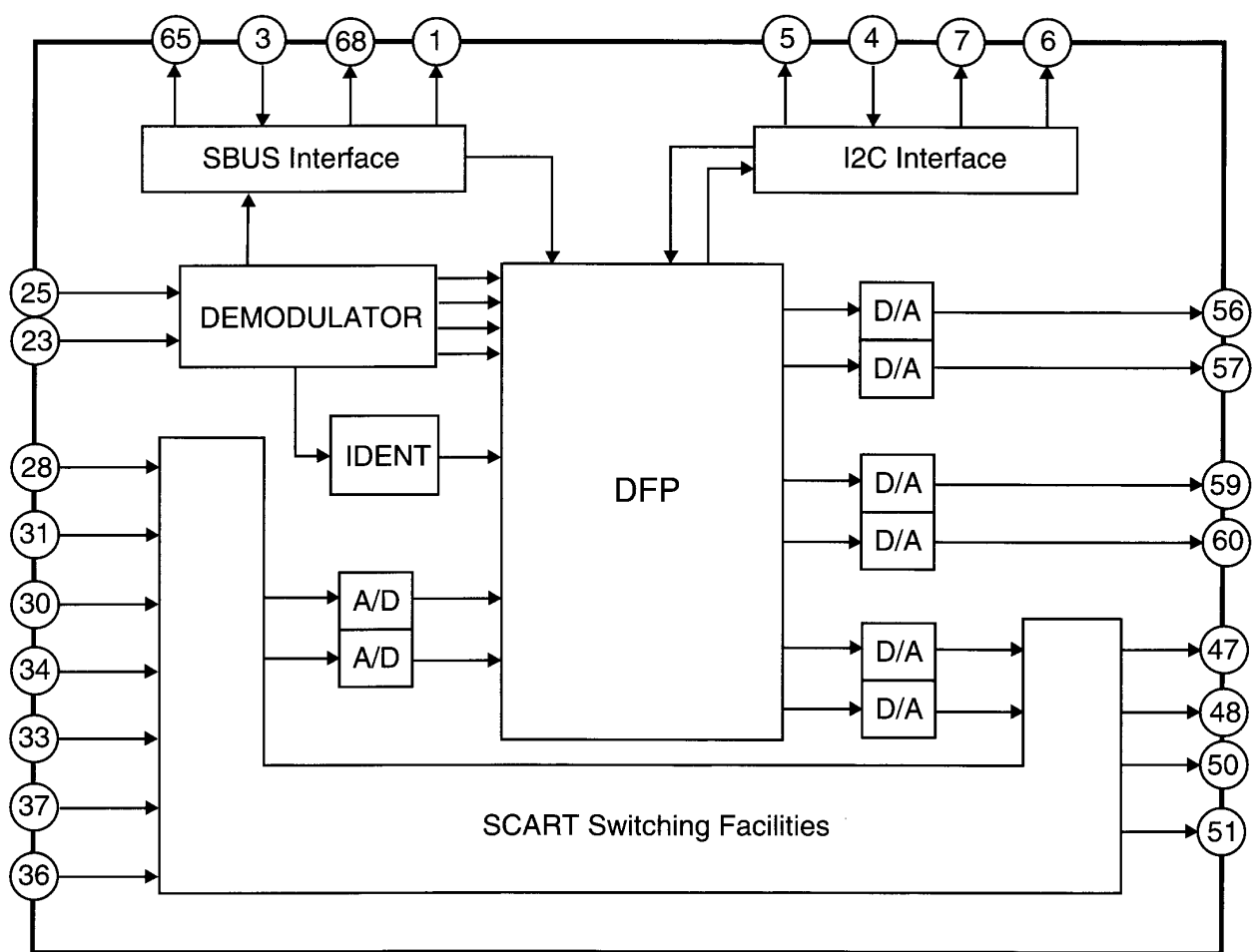
A Board IC501 STV9379



A Board IC301



A Board IC20 MSP3400C-PP-C6/MSP3410D-PP-B3





SECTION 6

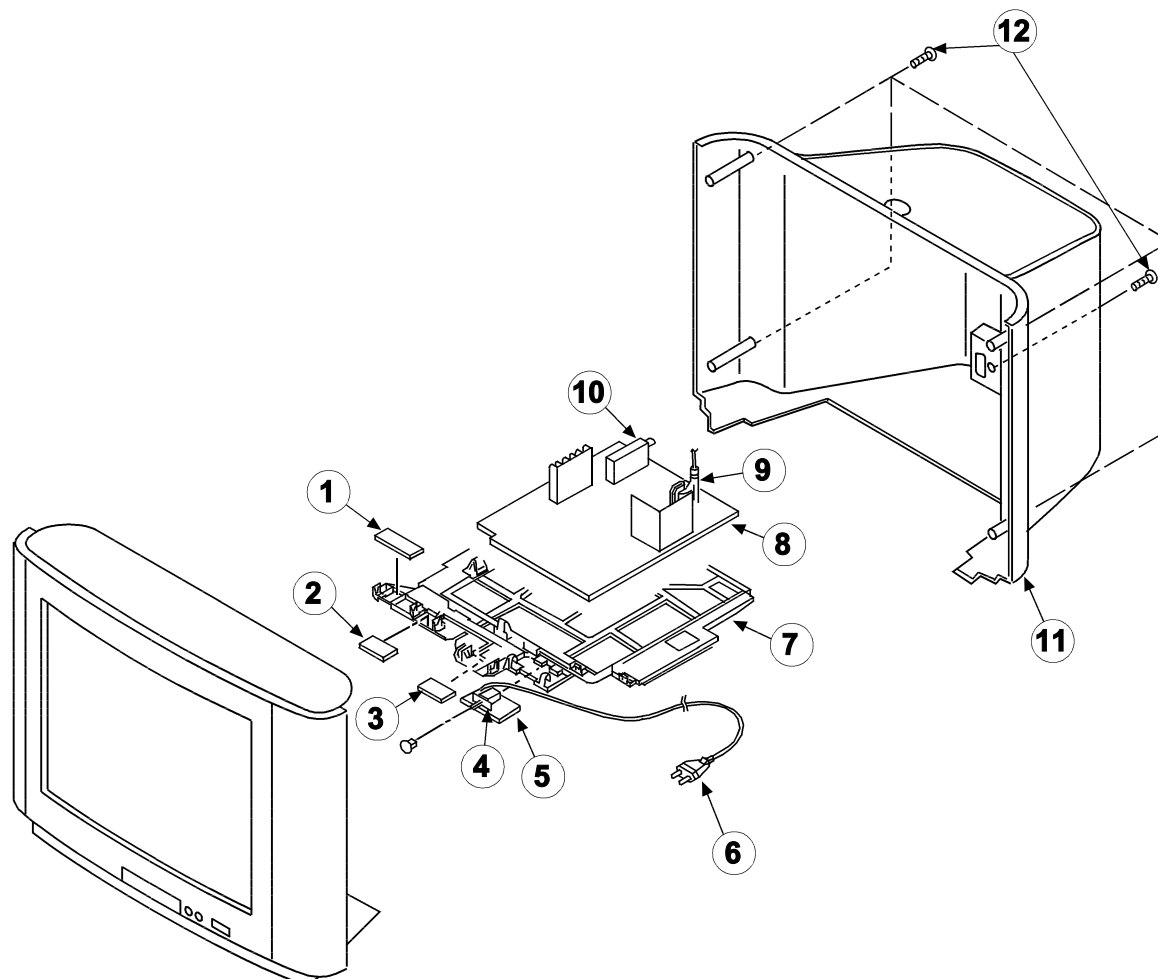
EXPLODED VIEWS




NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

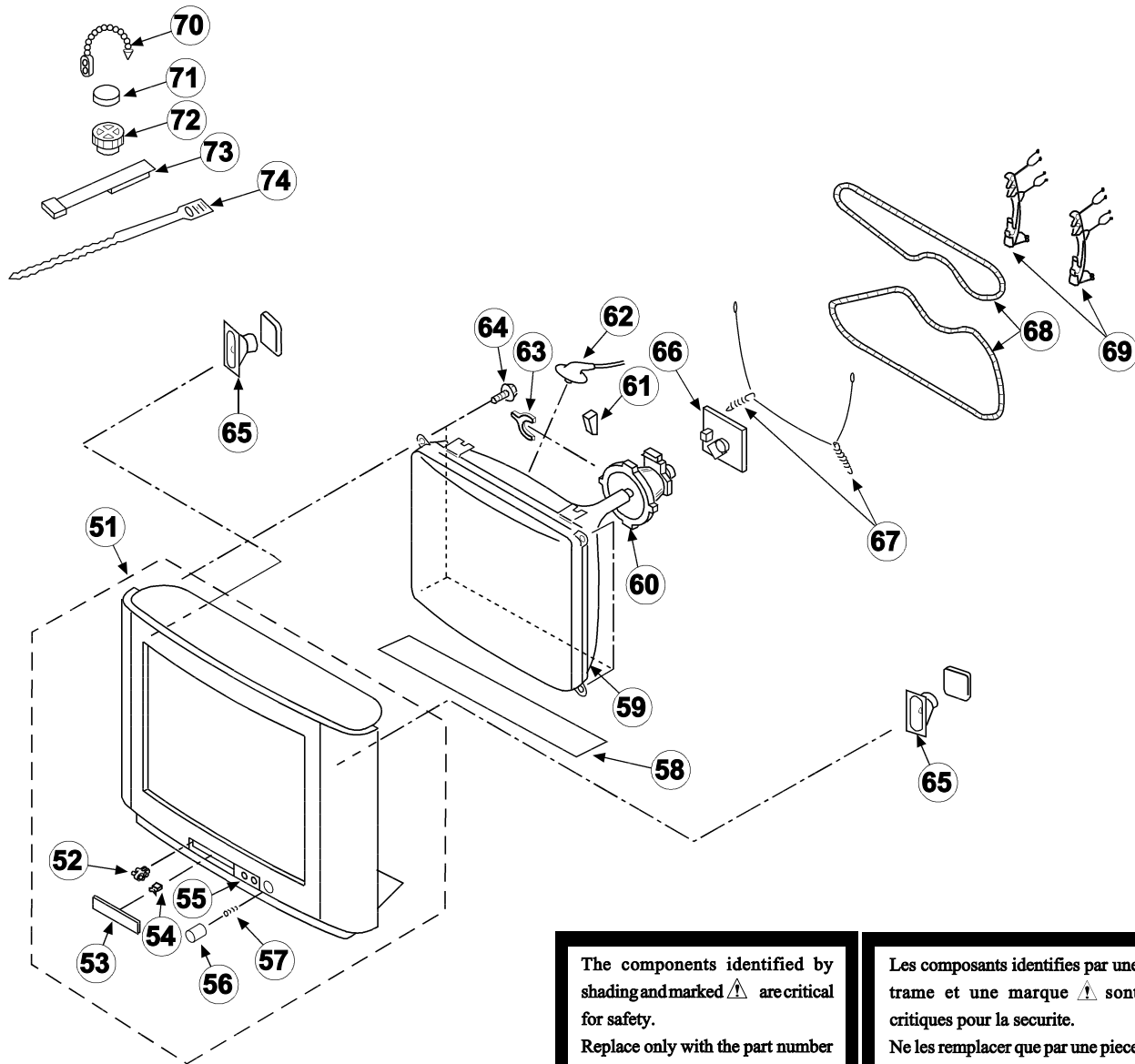
The components identified by shading and marked  are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. KV-21C4 CHASSIS

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*A-1646-145-A	H1 BOARD, COMPLETE		9	 1-453-200-11	TRANSFORMER ASSY, FLYBACK NX-1741/U2B	
2	*A-1646-147-A	H3 BOARD, COMPLETE		10	1-693-340-11	TUNER/VIF (FR) (KV-21C4B)	
3	*A-1646-146-A	H2 BOARD, COMPLETE			1-693-338-11	TUNER/VIF (AEP) (KV-21C4D/21C4E/ 21C4K/21C4R)	
4	 1-571-433-21	SWITCH, PUSH (AC POWER)		11	4-203-604-01	COVER, REAR	
5	*A-1624-063-A	F1 BOARD, COMPLETE		12	7-685-663-79	SCREW (4X16), (+) BV TAPPING	
6	 1-590-501-11	CORD, POWER (WITH NOISE FILTER)					
7	*4-203-605-11	BRACKET					
8	*A-1632-667-A	A BOARD, COMPLETE (KV-21C4B)					
	*A-1632-662-A	A BOARD, COMPLETE (KV-21C4D)					
	*A-1632-638-A	A BOARD, COMPLETE (KV-21C4E)					
	*A-1632-668-A	A BOARD, COMPLETE (KV-21C4K)					
	*A-1632-669-A	A BOARD, COMPLETE (KV-21C4R)					

6-2. KV21C4 PICTURE TUBE



The components identified by shading and marked ⚠ are critical for safety.

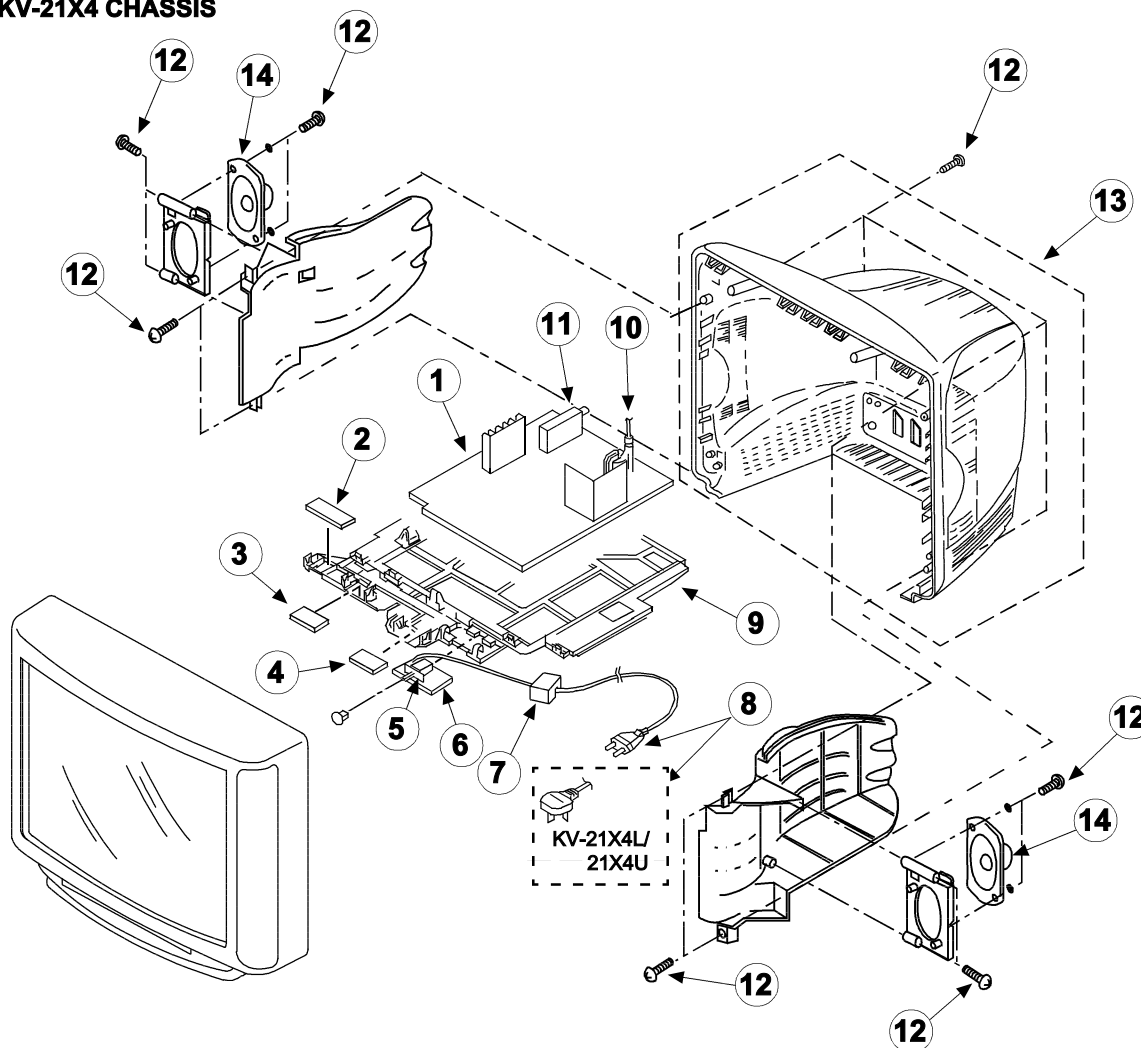
Replace only with the part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-337-1	BEZNET ASSY	52-57	62	⚠ 1-540-006-22	CAP ASSY, HIGH-VOLTAGE	
52	3-703-035-11	SHAFT, LID		63	1-452-277-00	MAGNET, BMC	
53	4-203-852-01	DOOR, CONTROL (PAINTED)		64	4-365-808-01	SCREW (5), TAPPING	
		(KV-21C4B/21C4E)		65	1-504-570-11	SPEAKER (7.5X13CM)	
	4-203-852-11	DOOR, CONTROL (PAINTED)		66	*A-1638-102-A	C BOARD, COMPLETE	
		(KV-21C4D/21C4R/21C4R)		67	4-369-318-21	SPRING, TENSION	
54	4-047-464-01	CATCHER PUSH		68	⚠ 1-411-922-11	COIL DEGAUSSING	
55	4-203-175-01	WINDOW ORNAMENTAL		69	*4-386-622-11	BAND, DGC	
56	4-203-176-01	BUTTON, POWER		70	4-308-870-00	CLIP, LEAD WIRE	
57	4-202-964-01	SPRING		71	1-452-032-00	MAGNET, DISK; 10MM Ø	
58	4-203-128-01	SHEET BLOTING		72	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
59	⚠ 8-738-783-05	PICTURE TUBE (SD-169) (A51JXH61X)		73	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
60	⚠ 8-451-295-43	DEFLECTION YOKE (Y21PFA2)		74	3-701-007-00	BAND, BINDING	
61	3-704-495-01	SPACER, DY					

6-3. KV-21X4 CHASSIS



The components identified by shading and marked ⚠ are critical for safety.

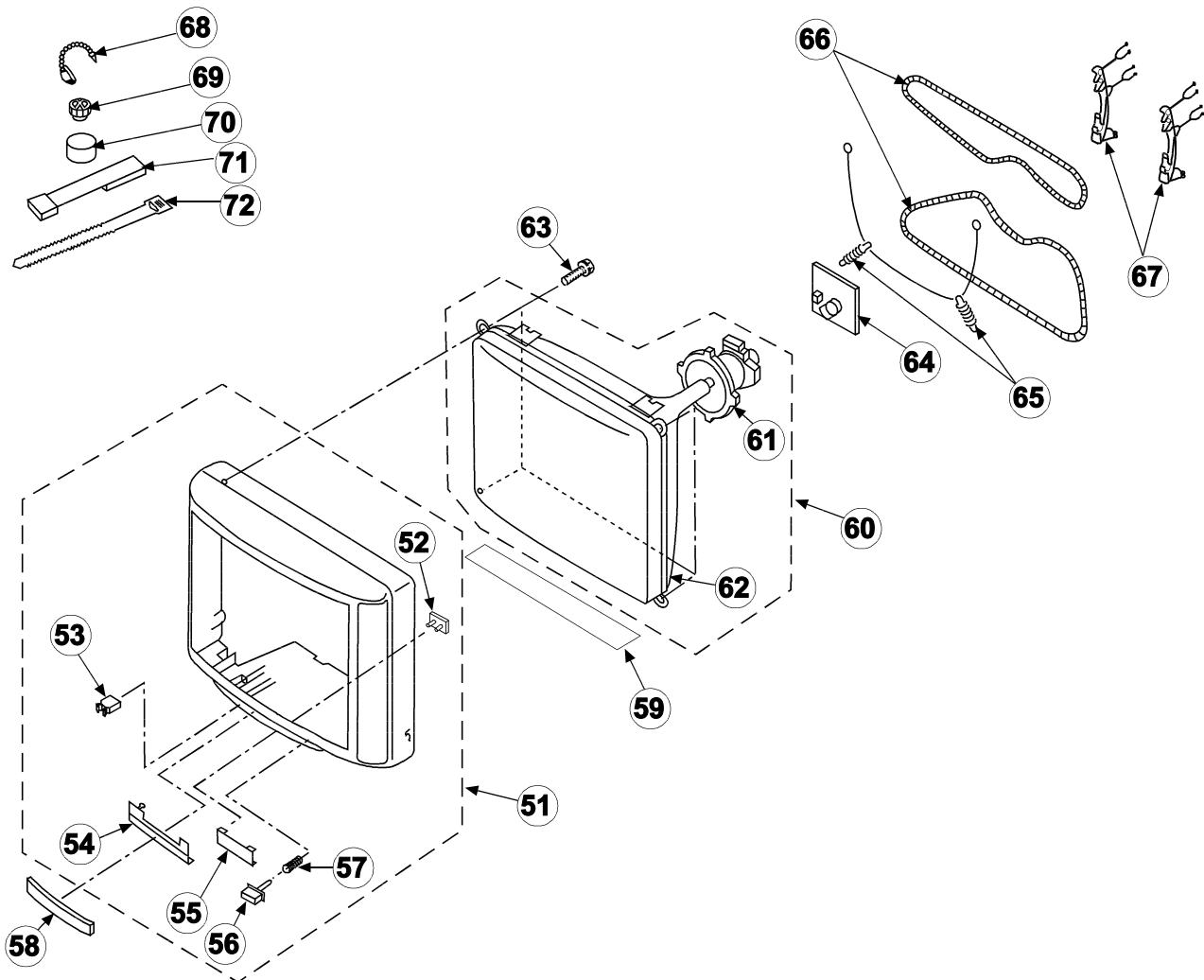
Replace only with the part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
1	*A-1632-680-A	A BOARD, COMPLETE (KV-21X4A)		8	⚠ 1-765-286-11	CORD POWER (KV-21X4A/21X4B/21X4D/21X4E/21X4K/21X4R)	
	*A-1632-677-A	A BOARD, COMPLETE (KV-21X4B)			⚠ 1-776-204-11	CORD POWER (FILTER) 2.5A/250V (KV-21X4L/21X4U)	
	*A-1632-678-A	A BOARD, COMPLETE (KV-21X4D)		9	*4-203-594-01	BRACKET	
	*A-1632-651-A	A BOARD, COMPLETE (KV-21X4E)		10	⚠ 1-453-199-11	TRANSFORMER ASSY, FLYBACK NX-1741/U2A	
	*A-1632-683-A	A BOARD, COMPLETE (KV-21X4K)		11	1-693-338-11	TUNER/VIF (AEP) (KV-21X4A/21X4D/21X4E/21X4K/21X4L/21X4R)	
	*A-1632-684-A	A BOARD, COMPLETE (KV-21X4L)			1-693-340-11	TUNER/VIF (FR) (KV-21X4B)	
	*A-1632-681-A	A BOARD, COMPLETE (KV-21X4R)			1-693-339-11	TUNER/VIF (UK) (KV21X4U)	
	*A-1632-682-A	A BOARD, COMPLETE (KV-21X4U)		12	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
2	*A-1646-148-A	H1 BOARD, COMPLETE		13	X-4200-286-1	COVER ASSY REAR (SC)	
3	*A-1646-150-A	H3 BOARD, COMPLETE		14	1-544-727-21	SPEAKER (7.5X13CM)	
4	*A-1646-149-A	H2 BOARD, COMPLETE					
5	⚠ 1-571-433-21	SWITCH PUSH (AC POWER)					
6	*A-1624-064-A	F1 BOARD, COMPLETE					
7	4-389-201-11	HOLDER, AC CORD					

6-4. KV-21X4 PICTURE TUBE



The components identified by shading and marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF NO	PART NO	DESCRIPTION	REMARK	REF NO	PART NO	DESCRIPTION	REMARK
51	X-4200-298-1	BEZNET ASSY	52-57	62	⚠ 8-738-784-05	PICTURE TUBE (SD-169) (A51JXH61X)	
52	4-202-465-01	GUIDE, LED LIGHT		63	4-036-189-01	SCREW SELF TAPPING	
53	4-047-464-01	CATCHER PUSH		64	*A-1638-090-A	C BOARD, COMPLETE	
54	4-202-642-01	DOOR		65	4-200-433-01	SPRING, EXTENSION	
55	4-202-643-21	WINDOW ORNAMENTAL		66	⚠ 1-406-828-11	COIL DEGAUSSING	
56	4-043-517-01	BUTTON POWER		67	*4-386-622-11	BAND, DGC	
57	4-202-746-11	SPRING, COMPRESSION		68	4-308-870-00	CLIP, LEAD WIRE	
58	4-202-644-11	ORNAMENT, DOOR		69	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
59	4-203-128-11	SHEET, BLOTING		70	1-452-032-00	MAGNET, DISK; 10MM Ø	
60	⚠ 8-738-783-71	ITC	61-62	71	X-4387-214-1	PERMALLOY ASSY, CORRECTION	
61	⚠ 8-451-295-45	DEFLECTION YOKE (Y21PFA2BA)		72	3-701-007-00	BAND, BINDING	

SECTION 7

ELECTRICAL PARTS LIST

When indicating parts by reference number, please include the board name.

CAPACITORS COILS
MF : mF, PF : mmF MMH : mH, μ H : mH

F1 **A**

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

The components identified by shading and marked Δ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	*A-1624-063-A	F1 BOARD, COMPLETE ***** (KV-21C4B/21C4D/21C4E/ 21C4K/21C4R)		< CAPACITOR >			
	*A-1624-064-A	F1 BOARD, COMPLETE ***** (KV-21X4A/21X4B/21X4D/21X4E/ 21X4K/21X4L/21X4R/21X4U)		C002	1-126-968-11	ELECT 100MF	20% 50V
< CONNECTOR >				C003	1-164-492-11	CERAMIC CHIP 0.15MF	10% 16V
CN603	Δ 1-580-844-11	PIN, CONNECTOR (POWER)		C004	1-163-034-00	CERAMIC CHIP 0.033MF	50V
CN604	Δ 1-695-292-11	PIN, CONNECTOR (POWER)		C005	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
< FUSE >				C006	1-163-105-00	CERAMIC CHIP 33PF	5% 50V
F601	Δ 1-576-231-21	FUSE (4A 250V)		C007	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
F601	Δ *1-533-725-11	HOLDER, FUSE		C008	1-126-965-11	ELECT 22MF	20% 50V
< SWITCH >				C009	1-126-961-11	ELECT 2.2MF	20% 50V
S601	Δ 1-571-433-21	SWITCH, PUSH (AC POWER)		C011	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
*****				C012	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
*A-1632-667-A	A BOARD, COMPLETE	(KV-21C4B)			1-163-113-00	CERAMIC CHIP 68PF	5% 50V (KV-21C4B/21C4E/21C4K/21C4R) (KV-21C4D/21C4) (KV-21X4A/21X4B/21X4D/21X4E/ 21X4K/21X4L/21X4R/21X4U)
*A-1632-662-A	A BOARD, COMPLETE	(KV-21C4D)		C013	1-163-078-11	CERAMIC CHIP 0.033MF	10% 25V
*A-1632-638-A	A BOARD, COMPLETE	(KV-21C4E)		C014	1-164-346-11	CERAMIC CHIP 1MF	16V
*A-1632-668-A	A BOARD, COMPLETE	(KV-21C4K)		C015	1-163-121-00	CERAMIC CHIP 150PF	5% 50V
*A-1632-669-A	A BOARD, COMPLETE	(KV-21C4R)		C017	1-162-638-11	CERAMIC CHIP 1MF	16V
*A-1632-680-A	A BOARD, COMPLETE	(KV-21X4A)		C018	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
*A-1632-677-A	A BOARD, COMPLETE	(KV-21X4B)		C019	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
*A-1632-678-A	A BOARD, COMPLETE	(KV-21X4D)		C020	1-163-038-00	CERAMIC CHIP 0.1MF	25V
*A-1632-651-A	A BOARD, COMPLETE	(KV-21X4E)		C021	1-164-005-11	CERAMIC CHIP 0.47MF	25V
*A-1632-683-A	A BOARD, COMPLETE	(KV-21X4K)		C022	1-126-960-11	ELECT 1MF	20% 50V
*A-1632-684-A	A BOARD, COMPLETE	(KV-21X4L)		C024	1-126-965-11	ELECT 22MF	20% 50V
*A-1632-681-A	A BOARD, COMPLETE	(KV-21X4R)		C025	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
*A-1632-682-A	A BOARD, COMPLETE	(KV-21X4U)		C026	1-126-965-11	ELECT 22MF	20% 50V
				C027	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
				C028	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
				C029	1-163-077-00	CERAMIC CHIP 0.1MF	50V
				C030	1-163-077-00	CERAMIC CHIP 0.1MF	50V
				C031	1-163-038-00	CERAMIC CHIP 0.1MF	25V
				C034	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C035	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
				C036	1-126-965-11	ELECT 22MF	20% 50V
				C037	1-164-346-11	CERAMIC CHIP 1MF	16V
				C038	1-164-346-11	CERAMIC CHIP 1MF	16V
				C039	1-163-205-00	CERAMIC CHIP 0.001MF	10% 50V
				C040	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
				C041	1-126-965-11	ELECT 22MF	20% 50V
				C042	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C044	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
				C045	1-164-505-11	CERAMIC CHIP 2.2MF	16V
				C046	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
				C099	1-165-320-11	CERAMIC CHIP 0.47MF	10% 16V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C121	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C313	1-163-137-00	CERAMIC CHIP 680PF	5% 50V
C122	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C314	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C123	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	C315	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C124	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C316	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C131	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C317	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C135	1-126-934-11	ELECT 220MF	20% 16V	C319	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C136	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C320	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C162	1-126-967-11	ELECT 47MF	20% 16V	C321	1-126-963-11	ELECT 4.7MF	20% 50V
C201	1-126-965-11	ELECT 22MF	20% 50V	C322	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C202	1-126-941-11	ELECT 470MF	20% 25V	C323	1-163-099-00	CERAMIC CHIP 18PF	5% 50V
C205	1-126-963-11	ELECT 4.7MF	20% 50V	C324	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C206	1-126-933-11	ELECT 100MF	20% 16V	C325	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C207	1-126-933-11	ELECT 100MF	20% 16V	C326	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C208	1-126-963-11	ELECT 4.7MF	20% 50V	C327	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C210	1-163-033-91	CERAMIC CHIP 0.022MF	50V	C328	1-163-038-71	CERAMIC CHIP 0.1MF	25V
C211	1-126-965-11	ELECT 22MF	20% 50V	C329	1-163-016-00	CERAMIC CHIP 0.0039MF	10% 50V
C213	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C330	1-163-038-00	CERAMIC CHIP 0.1MF	25V
C214	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C332	1-126-965-11	ELECT 22MF	20% 50V
C215	1-163-117-00	CERAMIC CHIP 100PF	5% 50V (KV-21C4B/21X4B)	C333	1-107-715-11	ELECT 22MF	20% 16V
C216	1-163-109-00	CERAMIC CHIP 47PF	5% 50V	C341	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C217	1-163-117-00	CERAMIC CHIP 100PF	5% 50V	C345	1-163-259-91	CERAMIC CHIP 220PF	5% 50V
C218	1-164-005-11	CERAMIC CHIP 0.47MF	25V	C347	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C219	1-126-964-11	ELECT 10MF	20% 50V	C348	1-163-031-11	CERAMIC CHIP 0.01MF	50V (KV-21C4B/21X4B)
C220	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C349	1-126-965-11	ELECT 22MF	20% 50V (KV-21C4B/21X4B)
C221	1-163-117-00	CERAMIC CHIP 100PF	5% 50V (KV-21C4B/21X4B)	C353	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C223	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C354	1-163-005-11	CERAMIC CHIP 470PF	10% 50V
C224	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C355	1-163-059-91	CERAMIC CHIP 0.01MF	10% 50V
C225	1-126-964-11	ELECT 10MF	20% 50V	C359	1-126-965-11	ELECT 22MF	20% 50V
C226	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C360	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C227	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C401	1-126-967-11	ELECT 47MF	20% 16V
C228	1-163-084-00	CERAMIC CHIP 1.5PF	0.25PF 50V	C402	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C229	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C403	1-164-346-11	CERAMIC CHIP 1MF	16V
C230	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C404	1-164-346-11	CERAMIC CHIP 1MF	16V
C231	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C405	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C232	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C406	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C233	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C410	1-126-967-11	ELECT 47MF	20% 16V
C234	1-163-003-11	CERAMIC CHIP 330PF	10% 50V	C411	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C235	1-126-964-11	ELECT 10MF	20% 50V	C412	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C236	1-126-964-11	ELECT 10MF	20% 50V	C413	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C240	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V	C414	1-126-967-11	ELECT 47MF	20% 16V
C242	1-164-346-11	CERAMIC CHIP 1MF	16V	C415	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C243	1-164-346-11	CERAMIC CHIP 1MF	16V	C416	1-126-965-11	ELECT 22MF	20% 50V
C244	1-164-346-11	CERAMIC CHIP 1MF	16V	C417	1-126-965-11	ELECT 22MF	20% 50V
C245	1-164-346-11	CERAMIC CHIP 1MF	16V	C418	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C246	1-126-965-11	ELECT 22MF	20% 50V	C419	1-164-346-11	CERAMIC CHIP 1MF	16V
C247	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C420	1-164-346-11	CERAMIC CHIP 1MF	16V
C300	1-126-942-61	ELECT 1000MF	20% 25V	C421	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C301	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C422	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C302	1-163-038-71	CERAMIC CHIP 0.1MF	25V	C423	1-164-337-11	CERAMIC CHIP 2.2MF	16V
C303	1-126-965-11	ELECT 22MF	20% 50V	C424	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C304	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C425	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
C305	1-124-257-00	ELECT 2.2MF	20% 50V	C500	1-130-489-00	FILM 0.033MF	5% 50V
C306	1-136-164-00	FILM 0.082MF	5% 50V	C501	1-126-963-11	ELECT 4.7MF	20% 50V
C307	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C502	1-163-077-00	CERAMIC CHIP 0.1MF	50V
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C503	1-126-952-11	ELECT 1000MF	20% 35V
C309	1-126-163-11	ELECT 4.7MF	20% 50V	C504	1-126-968-11	ELECT 100MF	20% 50V
C310	1-163-077-00	CERAMIC CHIP 0.1MF	10% 25V	C505	1-126-941-11	ELECT 470MF	20% 25V
C312	1-163-038-00	CERAMIC CHIP 0.1MF	25V	C506	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V

The components identified by shading and marked △ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

KV-21C4/21X4

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REF.NO.	PART NO.	DESCRIPTION	REMARK
C507	1-126-965-11	ELECT 22MF 20%	50V
C508	1-130-785-11	MYLAR 0.47MF 10%	100V
C510	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C511	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C601	△ 1-136-516-12	FILM 0.1MF 20%	300V
C602	△ 1-136-516-12	FILM 0.1MF 20%	300V
C603	△ 1-117-700-61	CERAMIC 0.0022MF 99%	250V
C604	△ 1-117-700-61	CERAMIC 0.0022MF 99%	250V
C605	△ 1-161-964-91	CERAMIC 0.0047MF 250V	
C606	△ 1-161-964-91	CERAMIC 0.0047MF 250V	
C610	1-104-665-11	ELECT 100MF 20%	25V
C611	1-136-538-11	FILM 0.001MF 3%	2KV
C612	1-107-929-11	ELECT 10MF 20%	100V
C613	1-162-318-11	CERAMIC 0.001MF 10%	500V
C614	1-104-666-11	ELECT 220MF 20%	25V
C615	1-124-347-00	ELECT 100MF 20%	160V
C616	1-162-116-00	CERAMIC 680PF 10%	2KV
C617	1-107-929-11	ELECT 10MF 20%	100V
C618	1-102-228-00	CERAMIC 470PF 10%	500V
C619	1-126-942-61	ELECT 1000MF 20%	25V
C621	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C622	1-126-965-11	ELECT 22MF 20%	50V
C623	1-111-055-91	ELECT 56MF 20%	25V
C624	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C625	1-126-967-11	ELECT 47MF 20%	50V
C626	1-102-228-00	CERAMIC 470PF 10%	500V
C627	1-111-097-11	ELECT 0.0022F 20%	35V
C628	1-126-964-11	ELECT 10MF 20%	50V
C629	1-126-933-11	ELECT 100MF 20%	16V
C630	1-113-473-11	ELECT (BLOCK) 180MF 20%	400V
		(KV-21C4B/21C4D/21C4E/21C4K/21X4A/21X4B/21X4D/21X4E/21X4K/21X4L/21X4U)	
	1-117-751-11	ELECT (BLOCK) 220MF 20%	400V
		(KV-21C4R/KV-21X4R)	
C631	1-124-910-11	ELECT 47MF 20%	50V
C632	1-130-785-11	MYLAR 0.47MF 10%	100V
C633	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C634	1-104-665-11	ELECT 100MF 20%	25V
C635	1-111-097-11	ELECT 0.0022F 20%	35V
C636	1-102-228-00	CERAMIC 470PF 10%	500V
C638	1-163-205-00	CERAMIC CHIP 0.001MF 10%	50V
C639	1-102-228-00	CERAMIC 470PF 10%	500V
C640	1-102-110-00	CERAMIC 220PF 10%	50V
C641	1-106-228-00	MYLAR 0.22MF 10%	100V
C645	1-104-666-11	ELECT 220MF 20%	25V
C646	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C647	1-163-038-00	CERAMIC CHIP 0.1MF 25V	
C800	1-107-650-11	ELECT 3.3MF 20%	250V
C801	1-129-746-00	FILM 0.039MF 10%	400V
C802	1-136-079-00	FILM 0.01MF 3%	2KV
C803	1-136-109-00	FILM 0.68MF 5%	200V
C804	1-126-959-11	ELECT 0.47MF 20%	50V
C805	1-102-228-00	CERAMIC 470PF 10%	500V
C806	1-102-244-00	CERAMIC 220PF 10%	500V
C807	1-107-651-11	ELECT 4.7MF 20%	250V
C809	1-162-134-11	CERAMIC 470PF 10%	2KV
C810	1-129-702-00	FILM 0.001MF 10%	400V
C812	1-163-121-00	CERAMIC CHIP 150PF 5%	50V
C813	1-162-115-00	CERAMIC 330PF 10%	2KV
C814	1-136-159-00	FILM 0.033MF 5%	50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C815	1-162-134-11	CERAMIC 470PF 10%	2KV
C817	1-136-559-11	MYLAR 0.0047MF 10%	400V
C818	1-136-933-11	FILM 1MF 5%	100V
C819	1-162-318-11	CERAMIC 0.001MF 10%	500V
C820	1-126-951-11	ELECT 470MF 20%	35V
C822	1-104-696-11	FILM 0.015MF 10%	100V
C823	1-106-375-12	MYLAR 0.022MF 10%	250V
C824	1-106-367-00	MYLAR 0.01MF 10%	400V
C825	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C826	1-164-232-11	CERAMIC CHIP 0.01MF 10%	50V
C827	1-163-011-11	CERAMIC CHIP 0.0015MF 10%	50V
C828	1-126-960-11	ELECT 1MF 20%	50V
C1200	1-136-165-00	FILM 0.1MF 5%	50V
C1201	1-136-173-00	FILM 0.47MF 5%	50V
C1202	1-136-173-00	FILM 0.47MF 5%	50V
C1203	1-136-169-00	FILM 0.22MF 5%	50V
C1204	1-136-169-00	FILM 0.22MF 5%	50V
C1205	1-101-004-00	CERAMIC 0.01MF 50V	
C1206	1-101-004-00	CERAMIC 0.01MF 50V	
C1215	1-136-173-00	FILM 0.47MF 5%	50V
C1216	1-137-366-11	FILM 0.0022MF 5%	50V
C1217	1-137-366-11	FILM 0.0022MF 5%	50V
< FILTER >			
CF001	1-767-120-21	VIBRATOR, CERAMIC	
CF200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	(KV-21C4B/21X4B)
< CONNECTOR >			
CN001	*1-564-508-11	PLUG, CONNECTOR 5P	
CN081	*1-568-881-51	PIN, CONNECTOR 6P	
CN082	*1-568-880-51	PIN, CONNECTOR 5P	
CN201	*1-568-879-11	PIN, CONNECTOR 4P	
CN402	*1-564-512-11	PLUG, CONNECTOR 9P	
CN403	*1-564-518-11	PLUG, CONNECTOR 3P	
CN404	*1-564-519-11	PLUG, CONNECTOR 4P	
CN601	△ *1-695-292-11	PIN, CONNECTOR (POWER)	
CN603	△ 1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN801	*1-580-798-11	CONNECTOR PIN (DY) 6P	
< DIODE >			
D002	8-719-982-27	DIODE MTZJ-33C	
D003	8-719-914-43	DIODE DAN202K	
D004	8-719-991-33	DIODE 1SS133T-77	
D005	8-719-914-43	DIODE DAN202K	
D006	8-719-914-43	DIODE DAN202K	
D007	8-719-914-43	DIODE DAN202K	
D009	8-719-976-99	DIODE DTZ5.1B	
D011	8-719-976-99	DIODE DTZ5.1B	
D012	8-719-992-02	DIODE RB705D	
D014	8-719-056-84	DIODE UDZ-TE-17-7.5B	
D301	8-719-991-33	DIODE 1SS133T-77	
D302	8-719-991-33	DIODE 1SS133T-77	
D306	8-719-976-99	DIODE DTZ5.1B	
D307	8-719-914-43	DIODE DAN202K	(KV-21C4B/21X4B)
D308	8-719-991-33	DIODE 1SS133T-77	(KV-21C4B/21X4B)
D338	8-719-914-43	DIODE DAN202K	
D401	8-719-109-97	DIODE RD6.8ES-B2	
D402	8-719-109-97	DIODE RD6.8ES-B2	
D403	8-719-109-97	DIODE RD6.8ES-B2	
D404	8-719-109-97	DIODE RD6.8ES-B2	
D405	8-719-109-97	DIODE RD6.8ES-B2	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D406	8-719-109-97	DIODE RD6.8ES-B2		FB607	1-412-911-11	INDUCTOR, FERRITE BEAD	
D407	8-719-109-97	DIODE RD6.8ES-B2		< ENCAPSULATED FILTER >			
D408	8-719-110-14	DIODE RD9.1ES-B3					
D409	8-719-110-14	DIODE RD9.1ES-B3		FL201	1-239-803-11	FILTER, EMI	
D410	8-719-110-14	DIODE RD9.1ES-B3		< IC >			
D411	8-719-991-33	DIODE 1SS133T-77		IC002	8-759-437-34	IC ST24W04FB6	
D412	8-719-109-97	DIODE RD6.8ES-B2		IC004	8-759-073-00	IC TEA2114	
D413	8-719-991-33	DIODE 1SS133T-77		IC005	8-759-510-54	IC PST572D	
D414	8-719-056-84	DIODE UDZ-TE-17-7.5B		IC200	8-759-481-43	IC MSP3410D-PP-B3 (KV-21C4B/21C4E/ 21C4K)	
D415	8-719-110-14	DIODE RD9.1ES-B3				(KV-21X4B/21X4E/21X4K/ 21X4L/21X4U)	
D416	8-719-056-84	DIODE UDZ-TE-17-7.5B			8-759-429-97	IC MSP3400C-PP-C6 (KV-21C4D/21C4R/ 21X4A/21X4D/21X4R)	
D417	8-719-056-84	DIODE UDZ-TE-17-7.5B					
D418	8-719-056-84	DIODE UDZ-TE-17-7.5B		IC201	8-759-502-21	IC TDA2822M	
D421	8-719-109-97	DIODE RD6.8ES-B2		IC301	8-759-333-45	IC MC44002P	
D501	8-719-302-43	DIODE ELIZ		IC302	8-759-333-46	IC MC44140P	
				IC401	8-759-064-91	IC NJM2233BL	
D602	8-719-991-33	DIODE 1SS133T-77		IC501	8-759-192-71	IC STV9379	
D603	8-719-109-97	DIODE RD6.8ES-B2			4-202-373-01	SPRING, IC (IC501)	
D604	8-719-302-43	DIODE ELIZ		IC600	8-749-924-99	IC STR-S6707	
D605	8-719-302-43	DIODE ELIZ			4-202-373-01	SPRING, IC (IC600)	
D606	8-719-028-89	DIODE EK04.V1		IC601 Δ	8-749-010-64	PHOTO COUPLER PC123FY2	
D607	8-719-046-78	DIODE EG-1Z-V1		IC602	8-749-920-61	IC SE-135N	
D608	8-719-302-43	DIODE ELIZ		IC603	8-759-507-29	IC LM7808CT	
D609	8-719-312-10	DIODE RU4AM-T3		IC604	8-759-457-41	IC KA76L05Z	
D610	8-719-025-88	DIODE GBU4JL-6088		IC605	8-759-510-52	IC L4941BV	
D612	8-719-046-76	DIODE RU3YX-LF-C4			4-202-373-01	SPRING, IC (IC605)	
D613	8-719-058-38	DIODE FMN-G12S		IC1200	8-759-473-02	IC TDA7269	
D614	8-719-109-97	DIODE RD6.8ES-B2			4-202-710-01	SPACER, INSULATING (IC1200)	
D615	8-719-302-43	DIODE ELIZ			4-202-373-01	SPRING, IC (IC1200)	
D616	8-719-110-03	DIODE RD7.5ES-B2		< SOCKET >			
D617	8-719-991-33	DIODE 1SS133T-77		J401	1-695-551-11	SOCKET 21P	
D619	8-719-046-78	DIODE EG-1Z-V1		< COIL >			
D620	8-719-110-14	DIODE RD9.1ES-B3		L001	1-414-181-11	INDUCTOR 4.7UH	
D621	8-719-058-38	DIODE FMN-G12S		L108	1-414-740-21	INDUCTOR 4.7UH	
D622	8-719-991-33	DIODE 1SS133T-77		L111	1-408-408-00	INDUCTOR 8.2UH	
D623	8-719-924-16	DIODE MTZJ-T-77-24		L112	1-408-397-00	INDUCTOR 1UH	
D625	8-719-991-33	DIODE 1SS133T-77		L113	1-408-408-00	INDUCTOR 8.2UH	
D626	8-719-302-43	DIODE ELIZ		L200	1-408-406-00	INDUCTOR 5.6UH	
D627	8-719-991-33	DIODE 1SS133T-77				(KV-21C4B/21X4B)	
D801	8-719-950-57	DIODE BYD33G		L201	1-535-465-11	LEAD, JUMPER (5.0MM)	
D802	8-719-302-43	DIODE ELIZ		L203	1-410-385-11	INDUCTOR CHIP 22UH	
D803	8-719-945-80	DIODE ERC06-15S		L204	1-410-385-11	INDUCTOR CHIP 22UH	
D805	8-719-928-08	DIODE ERD28-08S		L301	1-410-989-11	INDUCTOR CHIP 0.47UH	
D806	8-719-302-43	DIODE ELIZ		L302	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
D807	8-719-991-33	DIODE 1SS133T-77		L401	1-535-465-11	LEAD, JUMPER (5.0MM)	
D809	8-719-302-43	DIODE ELIZ		L402	1-535-465-11	LEAD, JUMPER (5.0MM)	
				L403	1-535-465-11	LEAD, JUMPER (5.0MM)	
D1200	8-719-109-72	DIODE RD3.9ES-B2		L404	1-535-465-11	LEAD, JUMPER (5.0MM)	
< FUSE >				L405	1-408-409-00	INDUCTOR 10UH	
F601	1-535-143-31	LEAD, JUMPER (15.0MM)		L406	1-408-409-00	INDUCTOR 10UH	
< FERRITE BEAD >				L407	1-408-409-00	INDUCTOR 10UH	
FB001	1-412-911-11	INDUCTOR, FERRITE BEAD		L408	1-408-409-00	INDUCTOR 10UH	
FB002	1-412-911-11	INDUCTOR, FERRITE BEAD		L409	1-410-985-11	INDUCTOR CHIP 0.22UH	
FB003	1-412-911-11	INDUCTOR, FERRITE BEAD		L410	1-408-409-00	INDUCTOR 10UH	
FB600	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L411	1-408-409-00	INDUCTOR 10UH	
FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		L412	1-410-985-11	INDUCTOR CHIP 0.22UH	
FB602	1-412-911-11	INDUCTOR, FERRITE BEAD					
FB604	1-535-465-11	LEAD, JUMPER (5.0MM)					
FB605	1-412-911-11	INDUCTOR, FERRITE BEAD					
FB606	1-412-911-11	INDUCTOR, FERRITE BEAD					

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Ne les remplacer que par une pièce portant le numéro spécifié.

KV-21C4/21X4

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REF.NO.	PART NO.	DESCRIPTION	REMARK
L501	1-412-525-31	INDUCTOR 10UH	
L609	1-414-743-21	INDUCTOR 47UH	
L611	1-414-743-21	INDUCTOR 47UH	
L612	1-412-522-41	INDUCTOR 5.6UH	
L613	1-412-522-41	INDUCTOR 5.6UH	
L800	1-412-553-11	INDUCTOR 3.3MMH	
L801	1-420-872-00	COIL, AIR-CORE	
L802	1-411-635-11	COIL, AIR-CORE	
L803	1-459-390-00	COIL (WITH CORE)	
L804	1-459-105-21	COIL (WITH CORE)	
L805	1-412-531-31	INDUCTOR 33UH	
L806	1-459-652-12	HLC	
L807	1-535-465-11	LEAD, JUMPER (5.0MM)	
L808	1-535-143-71	LEAD, JUMPER (7.5MM)	
< IC LINK >			
PS600	△ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
PS601	△ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
PS603	△ 1-532-686-21	LINK, IC 2.7A (ICP-F75)	
< TRANSISTOR >			
Q002	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q006	8-729-216-22	TRANSISTOR 2SA1162-G	
Q007	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q008	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q009	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q011	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q012	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q013	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q014	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q107	8-729-119-78	TRANSISTOR 2SC2785-EFE	
Q110	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q118	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q200	8-729-900-53	TRANSISTOR DTC114EK	
Q201	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q202	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q204	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q205	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q207	8-729-620-06	TRANSISTOR 2SC3052-EF (KV-21C4B/21X4B)	
Q208	8-729-216-22	TRANSISTOR 2SA1162-G (KV-21C4B/21X4B)	
Q209	8-729-620-06	TRANSISTOR 2SC3052-EF (KV-21C4B/21X4B)	
Q210	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q300	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q301	8-729-900-53	TRANSISTOR DTC114EK	
Q302	8-729-900-53	TRANSISTOR DTC114EK	
Q303	8-729-900-53	TRANSISTOR DTC114EK	
Q304	8-729-900-53	TRANSISTOR DTC114EK	
Q305	8-729-900-53	TRANSISTOR DTC114EK	
Q306	8-729-900-53	TRANSISTOR DTC114EK	
Q307	8-729-026-41	TRANSISTOR 2SA933AS-QRT (KV-21C4B/21X4B)	
Q310	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q311	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q312	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q403	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q404	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q405	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q406	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q407	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q408	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q409	8-729-620-06	TRANSISTOR 2SC3052-EF	

REF.NO.	PART NO.	DESCRIPTION	REMARK
Q410	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q411	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q500	8-729-017-06	TRANSISTOR 2SC4793	
Q501	8-729-620-06	TRANSISTOR 2SC3052-EF	
Q601	8-729-025-04	TRANSISTOR 2SC3852A	
Q602	8-729-320-28	TRANSISTOR 2SA1859	
Q603	8-729-027-08	TRANSISTOR 2SC2389STP-R	
Q604	8-729-024-35	TRANSISTOR 2SC2808STP-R	
Q606	8-729-029-56	TRANSISTOR DTA144ESA	
Q608	8-729-027-56	TRANSISTOR DTC143TKA-T146	
Q617	8-729-119-78	TRANSISTOR 2SC2785-EFE	
Q801	8-729-140-50	TRANSISTOR 2SC3209LK	
Q802	8-729-033-85	TRANSISTOR S2000N-16E305A	
	4-382-854-11	SCREW (M3X10), P, SW (+) (Q802)	
Q803	8-729-027-59	TRANSISTOR DTC144EKA-T146	
Q804	8-729-019-01	TRANSISTOR 2SD2394-EF	
	*4-368-683-11	SPRING, TRANSISTOR (Q804)	
Q805	8-729-140-96	TRANSISTOR 2SD774-34	
Q1200	8-729-620-06	TRANSISTOR 2SC2412K-T-146-R	
Q1201	8-729-620-06	TRANSISTOR 2SC2412K-T-146-R	
< RESISTOR >			
JR039	1-216-295-00	CONDUCTOR, CHIP	
R001	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R002	1-216-025-00	METAL GLAZE 100 5%	1/10W
R003	1-216-025-00	METAL GLAZE 100 5%	1/10W
R004	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R005	1-216-174-00	METAL GLAZE 100 5%	1/8W
R006	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R007	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R012	1-249-437-11	CARBON 47K 5%	1/4W
R013	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R014	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R016	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R017	1-216-095-00	METAL GLAZE 82K 5%	1/10W
R018	1-216-295-00	CONDUCTOR, CHIP	
R019	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R020	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R021	1-216-258-00	METAL GLAZE 330K 5%	1/8W
R022	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R023	1-216-041-00	METAL GLAZE 470 5%	1/10W
R025	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R026	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R027	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R029	1-216-039-00	METAL GLAZE 390 5%	1/10W
R030	1-215-900-11	METAL OXIDE 22K 5%	2W F
R031	1-216-025-00	METAL GLAZE 100 5%	1/10W
R032	1-216-025-00	METAL GLAZE 100 5%	1/10W
R033	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R034	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R036	1-216-295-00	CONDUCTOR, CHIP	
R037	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R038	1-216-295-00	CONDUCTOR, CHIP	
R040	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R041	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W
R042	1-216-027-00	METAL GLAZE 120 5%	1/10W
R043	1-216-022-00	METAL GLAZE 75 5%	1/10W
R044	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R045	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R046	1-216-254-00	METAL GLAZE 220K 5%	1/8W



REF.NO.	PART NO.	DESCRIPTION	REMARK
R047	1-216-075-00	METAL GLAZE 12K 5%	1/10W
R049	1-216-041-00	METAL GLAZE 470 5%	1/10W
R050	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R051	1-216-174-00	METAL GLAZE 100 5%	1/8W
R052	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R053	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R054	1-216-129-00	METAL GLAZE 2.2M 5%	1/10W
R057	1-216-198-91	METAL GLAZE 1K 5%	1/8W
R058	1-216-198-91	METAL GLAZE 1K 5%	1/8W
R064	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R065	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R066	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R067	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R068	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R069	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R070	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R071	1-216-174-00	METAL GLAZE 100 5%	1/8W
R072	1-216-174-00	METAL GLAZE 100 5%	1/8W
R078	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R088	1-216-043-91	METAL GLAZE 560 5%	1/10W
R089	1-216-043-91	METAL GLAZE 560 5%	1/10W
R090	1-216-043-91	METAL GLAZE 560 5%	1/10W
R097	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R098	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R099	1-216-200-11	METAL GLAZE 1.2K 5%	1/8W
R110	1-216-174-00	METAL GLAZE 100 5%	1/8W
R111	1-216-174-00	METAL GLAZE 100 5%	1/8W
R112	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R113	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R114	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R115	1-216-190-00	METAL GLAZE 470 5%	1/8W
R116	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R117	1-216-222-00	METAL GLAZE 10K 5%	1/8W
R118	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R119	1-216-031-00	METAL GLAZE 180 5%	1/10W
R120	1-216-041-00	METAL GLAZE 470 5%	1/10W
R124	1-216-025-00	METAL GLAZE 100 5%	1/10W
R125	1-216-025-00	METAL GLAZE 100 5%	1/10W
R126	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R134	1-216-037-00	METAL GLAZE 330 5%	1/10W
R163	1-216-029-00	METAL GLAZE 150 5%	1/10W
R174	1-216-033-00	METAL GLAZE 220 5%	1/10W
R200	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R202	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R203	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R204	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R205	1-216-295-00	CONDUCTOR, CHIP	
R206	1-249-399-11	CARBON 33 5%	1/4W
R208	1-216-295-00	CONDUCTOR, CHIP	
R209	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R210	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R211	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R213	1-216-174-00	METAL GLAZE 100 5%	1/8W
R214	1-216-174-00	METAL GLAZE 100 5%	1/8W
R215	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R218	1-216-037-00	METAL GLAZE 330 5%	1/10W (KV-21C4B/21X4B)
R219	1-216-049-00	METAL GLAZE 1K 5%	1/10W (KV-21C4B/21X4B)
R220	1-216-045-00	METAL GLAZE 680 5%	1/10W (KV-21C4B/21X4B)

REF.NO.	PART NO.	DESCRIPTION	REMARK
R221	1-216-033-00	METAL GLAZE 220 5%	1/10W (KV-21C4B/21X4B)
R222	1-216-001-00	METAL GLAZE 10 5%	1/10W (KV-21C4B/21X4B)
R223	1-216-041-00	METAL GLAZE 470 5%	1/10W (KV-21C4B/21X4B)
R224	1-216-025-00	METAL GLAZE 100 5%	1/10W (KV-21C4B/21X4B)
R225	1-216-037-00	METAL GLAZE 330 5%	1/10W
R226	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R227	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R228	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W (KV-21C4B/21X4B)
R229	1-216-073-00	METAL GLAZE 10K 5%	1/10W (KV-21C4B/21X4B)
R230	1-216-025-00	METAL GLAZE 100 5%	1/10W (KV-21C4B/21X4B)
R231	1-216-035-00	METAL GLAZE 270 5%	1/10W (KV-21C4B/21X4B)
R236	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R237	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R238	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R239	1-216-093-00	METAL GLAZE 68K 5%	1/10W
R240	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R301	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R302	1-216-037-00	METAL GLAZE 330 5%	1/10W
R303	1-216-090-00	METAL GLAZE 51K 5%	1/10W
R304	1-216-025-00	METAL GLAZE 100 5%	1/10W
R305	1-216-025-00	METAL GLAZE 100 5%	1/10W
R306	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R307	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R308	1-216-085-00	METAL GLAZE 33K 5%	1/10W
R309	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R310	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R311	1-216-025-00	METAL GLAZE 100 5%	1/10W
R312	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R313	1-216-045-00	METAL GLAZE 680 5%	1/10W
R314	1-216-045-00	METAL GLAZE 680 5%	1/10W
R315	1-216-045-00	METAL GLAZE 680 5%	1/10W
R316	1-216-033-00	METAL GLAZE 220 5%	1/10W
R317	1-216-033-00	METAL GLAZE 220 5%	1/10W
R318	1-216-021-00	METAL GLAZE 68 5%	1/10W
R322	1-216-022-00	METAL GLAZE 75 5%	1/10W
R323	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R325	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R326	1-216-041-00	METAL GLAZE 470 5%	1/10W
R327	1-216-097-00	METAL GLAZE 100K 5%	1/10W
R328	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R332	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R333	1-216-037-00	METAL GLAZE 330 5%	1/10W
R334	1-216-033-00	METAL GLAZE 220 5%	1/10W
R335	1-216-025-00	METAL GLAZE 100 5%	1/10W
R336	1-216-025-00	METAL GLAZE 100 5%	1/10W
R337	1-216-025-00	METAL GLAZE 100 5%	1/10W
R338	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R339	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R340	1-216-238-91	METAL GLAZE 47K 5%	1/8W
R341	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R342	1-216-186-00	METAL GLAZE 330 5%	1/8W
R343	1-216-295-00	CONDUCTOR, CHIP	

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Replace only with the part number specified.

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Ne les remplacer que par une pièce portant le numéro spécifié.

KV-21C4/21X4

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REF.NO.	PART NO.	DESCRIPTION	REMARK
R344	1-216-295-00	CONDUCTOR, CHIP	
R345	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R347	1-216-041-00	METAL GLAZE 470 5%	1/10W (KV-21C4B/21X4B)
R348	1-216-073-00	METAL GLAZE 10K 5%	1/10W (KV-21C4B/21X4B)
R349	1-216-101-00	METAL GLAZE 150K 5%	1/10W (KV-21C4B/21X4B)
R350	1-216-033-00	METAL GLAZE 220 5%	1/10W (KV-21C4B/21X4B)
R351	1-218-463-91	METAL GLAZE 8.2M 5%	1/10W
R354	1-216-033-00	METAL GLAZE 220 5%	1/10W
R355	1-216-121-91	METAL GLAZE 1M 5%	1/10W
R359	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R360	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R361	1-216-022-00	METAL GLAZE 75 5%	1/10W
R362	1-216-022-00	METAL GLAZE 75 5%	1/10W
R363	1-216-022-00	METAL GLAZE 75 5%	1/10W
R364	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R365	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R366	1-216-041-00	METAL GLAZE 470 5%	1/10W
R367	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R368	1-216-089-00	METAL GLAZE 47K 5%	1/10W
R369	1-216-238-91	METAL GLAZE 47K 5%	1/8W
R371	1-216-192-00	METAL GLAZE 560 5%	1/8W
R372	1-216-043-91	METAL GLAZE 560 5%	1/10W
R401	1-216-041-00	METAL GLAZE 470 5%	1/10W
R402	1-247-807-31	CARBON 100 5%	1/4W
R403	1-247-807-31	CARBON 100 5%	1/4W
R404	1-216-022-00	METAL GLAZE 75 5%	1/10W
R405	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R406	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R407	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R408	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R409	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R410	1-216-022-00	METAL GLAZE 75 5%	1/10W
R411	1-216-091-00	METAL GLAZE 56K 5%	1/10W
R412	1-216-041-00	METAL GLAZE 470 5%	1/10W
R413	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R414	1-260-311-11	CARBON 39 5%	1/2W
R415	1-260-311-11	CARBON 39 5%	1/2W
R416	1-216-022-00	METAL GLAZE 75 5%	1/10W
R417	1-216-025-00	METAL GLAZE 100 5%	1/10W
R418	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R419	1-216-113-00	METAL GLAZE 470K 5%	1/10W
R420	1-247-807-31	CARBON 100 5%	1/4W
R421	1-247-807-31	CARBON 100 5%	1/4W
R422	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R423	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R424	1-216-691-11	METAL CHIP 47K 0.50%	1/10W
R425	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R426	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R427	1-216-651-11	METAL CHIP 1K 0.50%	1/10W
R428	1-216-053-00	METAL GLAZE 1.5K 5%	1/10W
R429	1-216-188-00	METAL GLAZE 390 5%	1/8W
R430	1-216-001-00	METAL GLAZE 10 5%	1/10W
R431	1-216-041-00	METAL GLAZE 470 5%	1/10W
R432	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R433	1-216-051-00	METAL GLAZE 1.2K 5%	1/10W
R434	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R435	1-216-049-00	METAL GLAZE 1K 5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK
R436	1-216-001-00	METAL GLAZE 10 5%	1/10W
R437	1-216-017-00	METAL GLAZE 47 5%	1/10W
R501	1-216-675-11	METAL CHIP 10K 0.50%	1/10W
R502	1-216-675-11	METAL CHIP 10K 0.50%	1/10W
R503	1-216-218-00	METAL GLAZE 6.8K 5%	1/8W
R504	1-216-077-00	METAL GLAZE 15K 5%	1/10W
R505	1-216-079-00	METAL GLAZE 18K 5%	1/10W
R506	1-216-669-11	METAL CHIP 5.6K 0.50%	1/10W
R507	1-216-350-11	METAL OXIDE 1.2 5%	1W F
R508	1-215-865-11	METAL OXIDE 220 5%	1W F
R509	1-249-383-11	CARBON 1.5 5%	1/4W F
R513	1-249-429-11	CARBON 10K 5%	1/4W
R514	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R515	1-216-069-00	METAL GLAZE 6.8K 5%	1/10W
R516	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R601	\triangle 1-202-962-11	WIREWOUND 3.3 5%	10W
R602	1-249-417-11	CARBON 1K 5%	1/4W
R603	1-215-898-11	METAL OXIDE 10K 5%	2W F
R604	1-215-902-11	METAL OXIDE 47K 5%	2W F
R605	1-216-365-00	METAL OXIDE 0.47 5%	2W F
R606	1-535-143-00	LEAD, JUMPER (10.00MM)	
R607	1-215-858-00	METAL OXIDE 15 5%	1W F
R608	1-216-365-00	METAL OXIDE 0.47 5%	2W F
R609	1-249-420-11	CARBON 1.8K 5%	1/4W
R610	1-249-415-11	CARBON 680 5%	1/4W
R611	1-216-354-11	METAL OXIDE 2.7 5%	1W F
R612	\triangle 1-260-135-11	CARBON 1M 5%	1/2W
R613	1-249-417-11	CARBON 1K 5%	1/4W
R614	\triangle 1-218-265-11	METAL 8.2M 5%	1W
R615	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R616	1-215-479-00	METAL 270K 1%	1/4W
R617	1-215-877-11	METAL OXIDE 22K 5%	1W F
R618	1-247-863-91	CARBON 22K 5%	1/4W
R619	1-249-424-11	CARBON 3.9K 5%	1/4W
R620	1-247-895-91	CARBON 470K 5%	1/4W
R621	1-216-057-00	METAL GLAZE 2.2K 5%	1/10W
R622	1-249-437-11	CARBON 47K 5%	1/4W
R623	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R625	1-249-426-11	CARBON 5.6K 5%	1/4W
R626	1-535-465-11	LEAD, JUMPER (5.0MM)	
R628	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R629	1-215-857-11	METAL OXIDE 10 5%	1W F
R630	1-216-371-00	METAL OXIDE 1.5 5%	2W F
R631	1-216-392-11	METAL OXIDE 1.8 5%	3W F
R632	1-247-807-31	CARBON 100 5%	1/4W
R634	1-249-397-11	CARBON 22 5%	1/4W F
R635	1-249-437-11	CARBON 47K 5%	1/4W
R636	1-249-417-11	CARBON 1K 5%	1/4W
R637	1-247-815-91	CARBON 220 5%	1/4W
R638	1-247-863-91	CARBON 22K 5%	1/4W
R645	1-249-422-11	CARBON 2.7K 5%	1/4W
R646	1-249-382-11	CARBON 1.2 5%	1/4W F
R647	1-202-933-61	FUSIBLE 0.1 10%	1/2W F
R648	1-249-407-11	CARBON 150 5%	1/4W
R651	1-215-902-11	METAL OXIDE 47K 5%	2W F
R800	1-215-887-00	METAL OXIDE 150 5%	2W F
R801	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R802	1-216-174-00	METAL GLAZE 100 5%	1/8W
R803	1-216-081-00	METAL GLAZE 22K 5%	1/10W
R804	1-215-917-11	METAL OXIDE 1K 5%	3W F

KV-21C4/21X4

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R805	1-215-897-11	METAL OXIDE 6.8K 5%	2W F	< CRYSTAL >			
R806	1-216-350-11	METAL OXIDE 1.2 5%	1W F	X201	1-760-628-11	VIBRATOR, CRYSTAL	
R807	1-249-399-11	CARBON 33 5%	1/4W	X301	1-760-907-21	VIBRATOR, CRYSTAL	
R808	1-202-813-00	SOLID 22K 10%	1/2W	X302	1-760-710-21	VIBRATOR, CRYSTAL	
R810	1-247-895-91	CARBON 470K 5%	1/4W	*****			
R813	1-216-295-00	CONDUCTOR, CHIP		*A-1638-102-A	C BOARD, COMPLETE	(KV-21C4B/21C4D/21C4E/21C4K/21C4R)	
R814	1-217-811-11	FUSIBLE 0.47 5%	1/4W	*****			
R815	1-216-101-00	METAL GLAZE 150K 5%	1/10W	*A-1638-090-A	C BOARD, COMPLETE	(KV-21X4A/21X4B/21X4D/21X4E/21X4K/21X4L/21X4R/21X4U)	
R816	1-216-366-00	METAL OXIDE 0.56 5%	2W F	*****			
R817	1-216-447-00	METAL OXIDE 27 5%	2W F	< CAPACITOR >			
R818	1-202-813-00	SOLID 22K 10%	1/2W	C701	1-102-115-00	CERAMIC 560PF 10% 50V	
R819	1-249-441-11	CARBON 100K 5%	1/4W	C702	1-102-115-00	CERAMIC 560PF 10% 50V	
R820	1-247-713-51	CARBON 1K 5%	1W F	C703	1-102-115-00	CERAMIC 560PF 10% 50V	
R821	1-216-295-00	CONDUCTOR, CHIP		C704	1-102-824-00	CERAMIC 470PF 5% 50V	
R822	1-216-103-00	METAL GLAZE 180K 5%	1/10W	C705	1-102-824-00	CERAMIC 470PF 5% 50V	
R823	1-249-413-11	CARBON 470 5%	1/4W	C706	1-102-824-00	CERAMIC 470PF 5% 50V	
R824	1-216-125-00	METAL GLAZE 1.5M 5%	1/10W	C707	1-107-651-11	ELECT 4.7MF 20% 250V	
R825	1-216-107-00	METAL GLAZE 270K 5%	1/10W	C709	1-162-114-00	CERAMIC 0.0047MF 2KV	
R826	1-216-296-00	CONDUCTOR, CHIP		C710	1-126-967-11	ELECT 47MF 20% 16V	
R828	1-216-115-00	METAL GLAZE 560K 5%	1/10W	C711	1-101-880-00	CERAMIC 47PF 5% 50V	
R829	1-535-143-71	LEAD, JUMPER (7.5MM)		C712	1-102-820-00	CERAMIC 330PF 5% 50V	
R830	1-216-295-00	CONDUCTOR, CHIP		C713	1-101-880-00	CERAMIC 47PF 5% 50V	
R834	1-535-143-11	LEAD, JUMPER (10.0MM)		< CONNECTOR >			
R841	1-217-811-11	FUSIBLE 0.47 5%	1/4W	CNC71	*1-568-881-51	PIN, CONNECTOR 6P	
R862	1-215-902-11	METAL OXIDE 47K 5%	2W F	CNC72	*1-568-880-51	PIN, CONNECTOR 5P	
R1200	1-216-206-00	METAL GLAZE 2.2K 5%	1/8W	CNC73	1-695-915-11	TAB (CONTACT)	
R1201	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	CNC76	1-695-915-11	TAB (CONTACT)	
R1202	1-216-073-71	METAL GLAZE 10K 5%	1/10W	< DIODE >			
R1203	1-216-065-71	METAL GLAZE 4.7K 5%	1/10W	D701	8-719-991-33	DIODE 1SS133T-77	
R1204	1-216-222-00	METAL GLAZE 10K 5%	1/8W	D702	8-719-991-33	DIODE 1SS133T-77	
R1205	1-216-222-00	METAL GLAZE 10K 5%	1/8W	D703	8-719-991-33	DIODE 1SS133T-77	
R1208	1-212-849-00	FUSIBLE 4.7 5%	1/4W F	D704	8-719-991-33	DIODE 1SS133T-77	
R1209	1-212-849-00	FUSIBLE 4.7 5%	1/4W F	D705	8-719-991-33	DIODE 1SS133T-77	
R1211	1-249-424-11	CARBON 3.9K 5%	1/4W	D706	8-719-991-33	DIODE 1SS133T-77	
R1212	1-249-424-11	CARBON 3.9K 5%	1/4W	D707	8-719-991-33	DIODE 1SS133T-77	
< RELAY >				D708	8-719-991-33	DIODE 1SS133T-77	
RY600 Δ	1-755-018-11	RELAY		D709	8-719-991-33	DIODE 1SS133T-77	
< TRANSFORMER >				D716	8-719-991-33	DIODE 1SS133T-77	
T601 Δ	1-427-962-21	TRANSFORMER, LINE FILTER		D717	8-719-054-81	DIODE 1SS292T-77	
T602 Δ	1-431-595-11	TRANSFORMER CONVERTER SRT DT-259A		D718	8-719-991-33	DIODE 1SS133T-77	
T801	1-437-090-31	HDT		D719	8-719-054-81	DIODE 1SS292T-77	
T802 Δ	1-453-200-11	TRANSFORMER ASSY, FLYBACK (NX-1741/U2B) (KV-21C4B/21C4D/21C4E/21C4K/21C4R)		D723	8-719-991-33	DIODE 1SS133T-77	
	1-453-199-11	TRANSFORMER ASSY, FLYBACK (NX-1741/U2A) (KV-21X4A/21X4B/21X4D/21X4E/21X4K/21X4L/21X4R/21X4U)		D724	8-719-054-81	DIODE 1SS292T-77	
< THERMISTOR >				< CRT SOCKET >			
TEP601 Δ	1-809-827-11	THERMISTOR, POSITIVE		J701 Δ	1-526-990-21	SOCKET, CRT	
< TUNER >				< COIL >			
TU101	1-693-340-11	TUNER/VIF (FR) (KV-21C4B/21X4B)		L702	1-408-425-00	INDUCTOR 220UH	
	1-693-339-11	TUNER/VIF (AEP) (KV-21C4D/21C4E/21C4K/21C4R/21X4A/21X4D/21X4E/21X4K/21X4L/21X4R)		L703	1-535-303-00	LEAD, JUMPER (5.0MM)	
	1-693-339-11	TUNER/VIF (UK) (KV-21X4U)		L704	1-535-303-00	LEAD, JUMPER (5.0MM)	

C	H1	H2
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REF.NO.	PART NO.	DESCRIPTION	REMARK		
< TRANSISTOR >					
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q704	8-729-906-70	TRANSISTOR BF871-127			
Q705	8-729-906-70	TRANSISTOR BF871-127			
Q706	8-729-906-70	TRANSISTOR BF871-127			
Q707	8-729-200-17	TRANSISTOR 2SA1091-0			
Q708	8-729-200-17	TRANSISTOR 2SA1091-0			
Q709	8-729-200-17	TRANSISTOR 2SA1091-0			
< RESISTOR >					
R700	1-202-549-00	SOLID	100	20%	1/2W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-417-11	CARBON	1K	5%	1/4W
R705	1-535-143-11	LEAD, JUMPER	(10.0MM)		
R706	1-249-399-11	CARBON	33	5%	1/4W
R707	1-249-401-11	CARBON	47	5%	1/4W
R708	1-247-815-91	CARBON	220	5%	1/4W
R709	1-247-815-91	CARBON	220	5%	1/4W
R710	1-247-815-91	CARBON	220	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R714	1-249-417-11	CARBON	1K	5%	1/4W
R715	1-249-417-11	CARBON	1K	5%	1/4W
R716	1-249-417-11	CARBON	1K	5%	1/4W
R717	1-260-105-11	CARBON	3.3K	5%	1/2W
R718	1-260-105-11	CARBON	3.3K	5%	1/2W
R719	1-260-105-11	CARBON	3.3K	5%	1/2W
R720	1-215-923-00	METAL OXIDE	10K	5%	3W F
R721	1-215-923-00	METAL OXIDE	10K	5%	3W F
R722	1-215-923-00	METAL OXIDE	10K	5%	3W F
R723	1-535-143-11	LEAD, JUMPER	(10.0MM)		
R724	1-202-814-11	SOLID	33K	10%	1/2W
R725	1-202-846-00	SOLID	470K	10%	1/2W
R729	1-216-350-11	METAL OXIDE	1.2	5%	1W F
R730	1-249-410-11	CARBON	270	5%	1/4W
R731	1-247-815-91	CARBON	220	5%	1/4W
R732	1-249-410-11	CARBON	270	5%	1/4W
R734	1-247-815-91	CARBON	220	5%	1/4W
R735	1-247-815-91	CARBON	220	5%	1/4W
R736	1-247-815-91	CARBON	220	5%	1/4W
R744	1-260-103-11	CARBON	2.2K	5%	1/2W
R745	1-260-103-11	CARBON	2.2K	5%	1/2W
R746	1-260-103-11	CARBON	2.2K	5%	1/2W
< VARIABLE RESISTOR >					
RV702	1-241-656-21	RES, ADJ, METAL FILM 110M			

*A-1646-145-A	H1 BOARD, COMPLETE	(KV-21C4B/21C4D/21C4E/21C4K/21C4R)			
*A-1646-148-A	H1 BOARD, COMPLETE	(KV-21X4A/21X4B/21X4D/21X4E/21X4K/21X4L/21X4R/21X4U)			

< CAPACITOR >					
C900	1-102-114-00	CERAMIC	470PF	10%	50V
C901	1-102-114-00	CERAMIC	470PF	10%	50V

REF.NO.	PART NO.	DESCRIPTION	REMARK
C906	1-535-303-00	LEAD, JUMPER (5.0MM)	
C907	1-535-303-00	LEAD, JUMPER (5.0MM)	
C910	1-130-489-00	FILM 0.033MF	5% 50V
C911	1-130-489-00	FILM 0.033MF	5% 50V
< CONNECTOR >			
CN906	*1-564-512-11	PLUG, CONNECTOR 9P	
< DIODE >			
D908	8-719-109-89	DIODE RD5.6ESB2	
< JACK >			
J900	1-764-606-11	JACK	
J902	0-552-060-00	AUDIO-VIDEO CONNECTOR	
< COIL >			
L900	1-408-409-00	INDUCTOR 10UH	
L901	1-408-409-00	INDUCTOR 10UH	
L902	1-408-409-00	INDUCTOR 10UH	
L903	1-408-409-00	INDUCTOR 10UH	
L904	1-408-409-00	INDUCTOR 10UH	
< RESISTOR >			
R904	1-535-303-00	LEAD, JUMPER (5.0MM)	
R905	1-535-303-00	LEAD, JUMPER (5.0MM)	
R909	1-249-437-11	CARBON 47K	5% 1/4W
R910	1-249-437-11	CARBON 47K	5% 1/4W

*A-1646-146-A	H2 BOARD, COMPLETE		

		(KV-21C4B/21C4D/21C4E/21C4K/21C4R)	
*A-1646-149-A	H2 BOARD, COMPLETE		

		(KV-21X4A/21X4B/21X4D/21X4E/21X4K/21X4L/21X4R/21X4U)	
< CAPACITOR >			
C904	1-104-665-11	ELECT 100MF	20% 25V
C905	1-126-964-11	ELECT 10MF	20% 50V
< CONNECTOR >			
CN907	*1-564-519-11	PLUG, CONNECTOR 4P	
< DIODE >			
D901	8-719-302-45	DIODE SEL1210S-D	
	*4-203-258-01	HOLDER, LED (D901)	
< IC >			
IC900	8-742-014-10	RECEIVER HIC SBX1981-51	
< RESISTOR >			
R900	1-249-417-11	CARBON 1K	5% 1/4W
R901	1-249-408-11	CARBON 180	5% 1/4W
R908	1-249-401-11	CARBON 47	5% 1/4W

H3

Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>	<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
ACCESSORIES AND PACKING MATERIALS (KV-21X4)							

*4-039-905-02		BAG, PROTECTION					
*4-044-002-01		CUSHION (UPPER) (ASSY)					
*4-044-003-01		CUSHION (LOWER) (ASSY)					
*4-044-004-11		INDIVIDUAL CARTON					
4-203-823-41		MANUAL, INSTRUCTION (KV-21X4A) (ITALIAN)					
4-203-823-51		MANUAL, INSTRUCTION (KV-21X4B)					
		(FRENCH/ITALIAN/GERMAN/DUTCH)					
4-203-823-11		MANUAL, INSTRUCTION (KV-21X4D)					
		(GERMAN/GREEK/DUTCH/TURKISH/ENGLISH)					
4-203-823-71		MANUAL, INSTRUCTION (KV-21X4E) (SPANISH)					
4-203-823-81		MANUAL, INSTRUCTION (KV-21X4E)					
		(PORTUGUESE/FINNISH/SWEDISH/					
		DANISH/NORWEGIAN/HUNGARIAN)					
4-203-823-91		MANUAL, INSTRUCTION (KV-21X4K/21X4R)					
		(CZECH/ENGLISH/POLISH/					
		RUSSIAN/BULGARIAN)					
4-203-823-61		MANUAL, INSTRUCTION (KV-21X4L/21X4U)					
		(ENGLISH)					
REMOTE COMMANDER							

1-473-194-11		COMMANDER, STANDARD TYPE (RM-836)					
